Exploratory Surveys for Inshore Tanner Crabs (*Chionoecetes bairdi*) in Rivers Inlet and Fitz Hugh Sound, British Columbia, September 2004 – March 2005

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EXPLORATORY SURVEYS FOR INSHORE TANNER CRABS (*Chionoecetes bairdi*) IN RIVERS INLET AND FITZ HUGH SOUND, BRITISH COLUMBIA, SEPTEMBER 2004 - MARCH 2005

by

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ABSTRACT

Fong, K.H., Dunham, J.S., and Krause, G.G. 2005. Exploratory surveys for inshore Tanner crabs (*Chionoecetes bairdi*) in Rivers Inlet and Fitz Hugh Sound, British Columbia, September 2004 - March 2005. Can. Data Rep. Fish. Aquat. Sci. 1167: viii + 105 p.

Results of exploratory trap and trawl surveys carried out in 2004 and 2005 to assess populations of inshore Tanner crabs (*Chionoecetes bairdi*) in Rivers Inlet and Fitz Hugh Sound, British Columbia (B.C.) are presented. These surveys were undertaken to gather information on distribution, abundance and biology of Tanner crabs in the Wuikinuxv Nation's traditional territory to assess potential for fishery development.

The Wuikinuxv Nation Fisheries Program carried out a systematic trap survey of the Rivers Inlet system and portions of Fitz Hugh Sound from the F/V WESTERN BOUNTY between September 2-14, 2004. This survey captured 177 Tanner crabs and released 176 tagged Tanner crabs.

Fisheries and Oceans Canada personnel completed a trawl and trap survey of the same areas from the CCGS NEOCALIGUS between December 2-9, 2004 and a trap survey between March 17-24, 2005. The December survey captured 301 Tanner crabs and released 226 tagged Tanner crabs. The March survey captured 547 crabs and released 156 tagged Tanner crabs

Two tagged Tanner crabs were recovered during the WESTERN BOUNTY survey while 3 were recovered during the NEOCALIGUS December 2004 survey. Fourteen tagged Tanner crabs were recovered during the NEOCALIGUS March 2005 survey.

RESUME

Fong, K.H., Dunham, J.S., and Krause, G.G. 2005. Exploratory surveys for inshore Tanner crabs (*Chionoecetes bairdi*) in Rivers Inlet and Fitz Hugh Sound, British Columbia, September 2004 - March 2005. Can. Data Rep. Fish. Aquat. Sci. 1167: viii + 105 p.

Ce rapport présente les résultats des relevés exploratoires effectués à l'aide de pièges et de chaluts en 2004 et en 2005 afin d'évaluer les populations de crabes *Chionoecetes bairdi* dans l'inlet Rivers et la baie Fitz Hugh, en Colombie-Britannique. Ces relevés ont été menés pour rassembler des informations sur la distribution, l'abondance et la biologie des crabes *Chionoecetes bairdi* sur le territoire traditionnel de la Nation Wuikinuxv afin d'évaluer la possibilité de développer une pêche dans ce secteur.

Les responsables du programme des pêches de la nation Wuikinuxv ont effectué un relevé systématique par pièges dans le système de l'inlet Rivers et dans des portions de la baie Fitz Hugh à partir du F/V WESTERN BOUNTY entre les 2 et 14 septembre 2004. Ce relevé a permis de capturer 177 crabes *Chionoecetes bairdi* et d'en remettre à l'eau 176 marqués.

Le personnel de Pêches et Océans Canada a effectué un relevé à l'aide de chaluts et de pièges dans le même secteur à partir du CCGS NEOCALIGUS entre les 2 et 9 décembre 2004 ainsi qu'un relevé à l'aide de pièges uniquement entre les 17 et 24 mars 2005. Le relevé de décembre a permis de capturer 301 crabes *Chionoecetes bairdi* et d'en relâcher 226 marqués. Le relevé de mars a permis de capturer 547 crabes *Chionoecetes bairdi* et d'en relâcher 156 marqués.

Deux crabes *Chionoecetes bairdi* marqués ont été repêchés durant le relevé à bord du WESTERN BOUNTY tandis que 3 crabes marqués ont été repêchés lors du relevé de décembre 2004 à bord du NEOCALIGUS. Quatorze crabes *Chionoecetes bairdi* ont été repêchés au cours du relevé de mars 2005 à bord du NEOCALIGUS.

INTRODUCTION

Crab fisheries have long been important in British Columbia (B.C.), with aboriginal harvests pre-dating European contact and commercial harvests reported as early as 1885 (Butler 1984, 1986; Winther and Phillips 2002). The most important crab species harvested commercially, recreationally and by First Nations in B.C. is the Dungeness crab (*Cancer magister*). In 2003, Dungeness crabs ranked first among all Pacific Region wild shellfish fisheries in total landings (7,000 tonnes) and in landed value ($37.8 million CDN) (MAFF 2003). Dungeness crabs represented 31.7% of the total landed value ($119.3 million CDN) of all B.C. shellfish species. Other crab species fished under the "R" licence are the red rock crab (*Cancer productus*), red king crab (*Paralithodes camtschatica*), and the golden king crab (*Lithodes aequispina*).

Tanner and snow crabs (*Chionoecetes* sp.) are important commercially exploited species in Alaska, Japan and the Atlantic region of Canada. Prior to 1993, permits were issued by Fisheries and Oceans Canada (DFO) to fish inshore Tanner crabs (*Chionoecetes bairdi*) in British Columbia. In 1993, DFO suspended the issuance of permits for Tanner crabs through a moratorium on new shellfish licenses although landings of *C. bairdi* continued until 2000 (Krause *et al.* 2001; Winther and Phillips 2002). A review of commercial sales slip data for B.C. revealed 65 landings of *C. bairdi* from 1988 to 2000 totaling 14.85 tonnes (Krause *et al.* 2001). Tanner crabs were exclusively fished from the North Coast, Pacific Management Fishery Areas (PFMA) 1 to 6, usually in the red king crab fishery. Responses from a questionnaire to "R" license fishers shows incidental catches of Tanner crabs occurred in most areas of the coast.

Interest in developing a fishery for *C. bairdi* occurred when Tanner crabs were caught incidentally in other crab fisheries. In the early 1980's, DFO conducted several surveys for *C. bairdi* throughout the Central and North Coast of British Columbia and found no significant commercially exploitable populations (Butler 1986; Krause *et al.* 2001). More recently, interest in developing a fishery for *C. bairdi* has surfaced as local communities and First Nations explore new fishery resources to increase economic opportunities.

Phased Approach to Fisheries Development

Investigations for any new or developing invertebrate fishery in Canada follow a phased approach. The Pacific Scientific Advice Review Committee (PSARC) has endorsed a three-phased framework for provision of scientific advice for the management of new fisheries (Perry *et al.* 1999). This framework guides development of new fisheries using precautionary, risk averse principles based on sound scientific research and advice. The three phases are:

Phase 0. Information review: A collection and review of all existing literature and data on the biology, fisheries and fisheries management is undertaken for the target species, related species and other species. Critical information gaps are identified and recommendations of appropriate methods for addressing those information gaps are provided.

Phase 1. Investigations for new information: Based on the recommendations of the Phase 0 literature review, a framework for gathering data and research to address the

information gaps is identified. These investigations or studies can include, but are not limited to, experimental fisheries, fishery independent surveys, biological sampling programs, and laboratory analysis. These studies often determine the distribution or abundance, life history, biological characteristics and impacts on habitat or other species.

Phase 2. Fishing for information: The resource is harvested under experimental management regimes to ascertain the productivity of the stock in question; determine whether the species or stock can sustain a commercially viable fishery; and test the effectiveness of fishing methods. Ongoing monitoring and biological information collection is an integral part of this phase in the development of the fishery and would likely remain an ongoing requirement of any future commercial fishery.

The Phase 0 information review for *C. bairdi* was completed by Krause *et al.* (2001). The paper recommended fishery development based on local reproductive biology; use of standardized gear for obtaining information on distribution, biological characteristics, stock structure and life history strategy; tagging studies to investigate population size, stock structure and season migrations; and a biological sampling program.

As part of this phased approach, Fisheries and Oceans Canada and the Wuikinuxv Nation have undertaken a cooperative Phase 1 assessment of *C. bairdi* in the traditional territory of the Wuikinuxv Nation, located in the Central Coast region of B.C. Objectives of the Phase 1 assessment are: to assess inshore Tanner crab distribution and abundance; gather morphometric information to determine size at maturity; gather habitat preference information; and determine species interactions in the Rivers Inlet system and Fitz Hugh Sound.

The Wuikinuxv Nation Fisheries Program (WNFP) completed a systematic trap survey of the Rivers Inlet system and portions of Fitz Hugh Sound from the F/V WESTERN BOUNTY between September 2-14, 2004. DFO Marine Ecosystems and Aquaculture Division (MEAD) personnel completed a trawl and trap survey of the same area from the CCGS NEOCALIGUS between December 2-9, 2004 and a trap survey between March 17-24, 2005.

The results of exploratory trap and trawl surveys carried out in 2004 and 2005 in Rivers Inlet, B.C. are presented. This paper is the second of two reports which presents information that will be used in a Phase 1 document for *C. bairdi*. This report represents the last three of five surveys in Rivers Inlet. Information from the first two surveys are presented in Fong *et al.* (2004). These surveys were undertaken to gather information on distribution, abundance and biology of Tanner crabs. A mark-recapture program was a component of the exploratory trap survey for assessing dispersal, seasonal or sexual migration and abundance. Preliminary results of the tagging program are presented.

Tanner Crab Biology

Inshore Tanner crabs belong to the family Majidae. Majid or spider crabs are true crabs, having four sets of walking legs and two claws; unlike Lithodid crabs (Family Lithodidae),

which have three sets of walking legs and two claws. Four species of *Chionoecetes* crabs are found in the eastern Pacific Ocean: *C. bairdi* or inshore Tanner crab; *C. opilio*, or snow crab; *C. tanneri*, or grooved Tanner crab; and *C. angulatus*, or angle Tanner crab (Jadamec *et al.* 1999). Three of these species (*C. bairdi*, *C. tanneri*, and *C. angulatus*) are found in B.C. waters (Hart 1982).

Inshore Tanner crabs are distributed in the North Pacific Ocean from Oregon to the Bering Sea. In British Columbia, *C. bairdi* are found throughout coastal inlets and fjords at depths of 10-475 m although some have been recorded in offshore areas of the coast. The grooved Tanner crab (*C. tanneri*) and angle Tanner crab (*C. angulatus)* are distributed in the North Pacific Ocean along the continental slope from Mexico to the Gulf of Alaska at depths of 400-1,944 m and 900-3,000 m, respectively (Hart 1982).

C. bairdi is distinguished by its orange-brown colour dorsally, pink-cream colour ventrally and relatively flat branchial lobes (Figure 1). The deepwater species (*C. tanneri* and *C. angulatus*) are red or orange in color and have enlarged branchial lobes (Hart 1982; Jadamec *et al.* 1999).

Crabs grow incrementally by moulting or shedding the old shell and expanding into a soft new shell, which then hardens. The stages of growth between moults are referred to as instars. Female Tanner crabs pass through 12 instars and terminally moult to maturity in the 13th instar at approximately 5 years of age (Jadamec *et al.* 1999). Males mature in approximately 6 years after as many as 18 moults; whether males undergo a terminal moult is still unknown. Shell hardness is a subjective categorical scale used to estimate the amount of time since the last moult. A gestalt of information, including resistance to pressure; wear or abrasion of carapace spines, dactyl tips and claws; color; presence and size of epibiont fauna; and relative morbidity are used to assign crabs to shell hardness categories (Appendix Table 1).

The sexes are distinguished by a broadened abdomen in females (to carry eggs after extrusion) and enlarged chelae in mature males. Measurements of the fifth abdominal somite and the claws are used to determine morphological maturity of female and male crabs, respectively. Grasping behaviour during mating, in which males grasp and hold females by their walking legs, leave distinctive mating marks on the female. Color is used to estimate the stage of development of eggs; newly extruded eggs are orange and gradually darken to brown as prezoeae develop and eyespots appear. Adult male *C. bairdi* range from 90-140 mm in carapace width (CW); adult females range from 65-110 mm CW.

METHODS

Objectives considered when determining trap set locations included the tag and release of Tanner crabs, gathering morphometric data, recapturing previously tagged crabs and bycatch information.

Reviews of shrimp trawl and prawn trap fishery logbooks showed that limited commercial effort in both fisheries occur in the Rivers Inlet area. A larger commercial shrimp trawl fishery takes place in Fitz Hugh Sound. A review of the commercial Dungeness logbooks revealed

minimal commercial effort and none since 2002. None of these fisheries were notified directly of the tagging program. A review of the Option B groundfish trawl observer data (1996-2003) showed no records of Tanner crab by-catch, although observer coverage was minimal.

Study Area

The study area includes Rivers Inlet (center approximately 51°38, 127°32) and Fitz Hugh Sound (center approximately 51°42, 127°57), located in the Central Coast region of B.C. It includes all of PFMA 9 and portions of PFMA 8, primarily subareas 8-16 and 8-3 (Figure 2). The study area is approximately 642 km^2 and maximum depth is 385 m. This area was chosen at the request of the proponents.

We divided the study area into the following subareas: Moses Inlet (Figure 3 and Figure 4), Hardy Inlet (Figure 5), Upper Rivers Inlet (Figure 6), Middle Rivers Inlet (Figure 7), Lower Rivers Inlet (Figure 8), Draney Inlet (Figure 9), Darby Channel (Figure 10) and Fitz Hugh Sound (Figure 11 and Figure 12).

Trap Survey

Vessel and Gear Configuration

The WNFP trap survey was conducted from the F/V WESTERN BOUNTY, a 16.7 m trawler/longliner, between September 2-14, 2004. The survey utilized Tanner traps with closed escape ports. Tanner traps were nesting 1.35 m square pyramidal top-loading traps with 7.0 cm mesh. Tanner traps were baited with 1.0 kg of herring in 1.0 L perforated bait jars and baits were used only once. Soak times were approximately 24 hours.

Tanner traps were deployed either on individual buoylines (single sets) or on groundlines buoyed at both ends. Five Tanner traps were deployed singly across estuaries or in narrow channels at depths of approximately 50 m and 100 m with 50-300 m spacing depending on the available area. Groundlines were deployed at specified depths throughout the study area with five Tanner crab traps attached at 80 m spacing along the groundline.

The DFO trap survey was conducted from the CCGS NEOCALIGUS, a 25 m trawl/trap research vessel between December 2-9, 2004 and March 17-24, 2005. The trap survey utilized three trap types: Tanner trap, Dungeness trap and prawn trap. Tanner traps were 1.22 m base, square pyramidal metal frame nesting traps with 7.0 cm nylon mesh. Dungeness traps were circular stainless steel traps with single wire 6.0-8.0 cm stainless steel mesh and two triggered tunnels. Prawn traps were stainless steel circular, stackable traps with 1.9-2.9 cm nylon web. Tanner traps were baited with two 0.5 L perforated bait jars each containing 0.5 kg of herring while Dungeness traps were baited with 0.5 kg of herring in 0.5 L perforated bait jars. Prawn traps were baited with one can of cat food grade tuna. Escape ports were closed on all traps, except prawn which were not equipped with escape ports. Baits were used only once and soak times were approximately 24 hours.

Each groundline was deployed with a total of ten traps consisting of four Tanner traps, three Dungeness traps and three prawn traps attached alternately along the groundline beginning and ending with a Tanner trap. Spacing between traps was approximately 40 m.

Survey Design

Systematic designs were used for the WNFP and DFO surveys. Random sites or locations were not chosen due to the limited knowledge of Tanner crab distribution in the study area. Sampling locations were based on habitat type, depth, vessel capability, anecdotal information supplied by local fishers and replication of sets from previous surveys to recapture tagged crabs.

Additional considerations for NEOCALIGUS set locations included sampling for juveniles. Depths shallower than 50 m were not sampled by the NEOCALIGUS due to vessel size and lack of local knowledge.

During the NEOCALIGUS March 2005 survey we chose not to tag Tanner crabs captured except in Darby Channel and Upper Rivers Inlet since it was our last scheduled survey in Rivers Inlet. Both areas were sampled twice during the survey, however only those Tanner crabs captured at the beginning were tagged and released. Tanner crabs captured during subsequent sampling of Darby Channel and Upper Rivers Inlet were not tagged. Tanner crabs captured in all other areas were released but not tagged.

Trawl Survey

Vessel and Gear Configuration

Trawling was conducted from the CCGS NEOCALIGUS only during the December 2004 survey. This survey utilized two trawl types: an otter trawl and a small beam trawl.

The otter trawl used was a 13.4 m shrimp net (Figure 13) fished with 1.7 m^2 Thyboron trawl doors. The net was rigged with 20.3 cm bobbins in the bosom, the head rope was 12.5 m and the foot rope was 13.1 m. The wings and body of the net were constructed of 5.0 cm polypropylene web. The codend was built of 5.0 cm web and equipped with a 1.3 mm mesh codend liner. Sweeps and bridles were 27.4 m in length. The vertical opening of the net was approximately 3.1 m

The beam trawl used was a 3 m modified Armstrong beam trawl rigged with two 7.62 cm cork head rope floats. The wings and body of the net were constructed with 1.27 cm knotless nylon web and the codend was lined with 0.64 cm nylon web. The purpose of beam trawling was to capture juvenile Tanner crabs in areas inaccessible by the shrimp trawl.

Set locations were determined using a Furuno GPS and trawl tracks were plotted using NOBELTEC software.

Survey Design

Similar to the trap survey, a systematic design was chosen. Trawl locations were predetermined; considerations for location included sampling for juveniles and inventory of benthic communities. Consideration was also given to sea floor type to avoid logs and net damage. The actual tow direction and track for each set location was determined by the captain. If a set location was determined unfishable by the captain, an adjacent location of similar depth was selected.

Sampling Methods

Catch and Effort Information

Data collected on fishing location, depth, dates, soak hours for traps and duration for trawling were recorded on standard DFO crab bridgelog forms and entered into a MS Access field database. Trawl catches were sorted to species level and weighed as an aggregate for the tow to the nearest 0.01 kg. A motion-compensated electronic scale (Marel® series 1100) was used for determining weights on the CCGS R/V NEOCALIGUS. For trapping, species were sorted to the lowest taxonomic level and aggregate counts and weights were recorded. Aggregate species weights estimated less than 0.01 kg were recorded as traces. Species weights recorded onboard the F/V WESTERN BOUNTY were measured using a hand-held spring scale and are considered estimates only.

Biological Information

Biological sampling methods are described in Fong *et al.* (2004), Workman *et al.* (2000, 2001) and Jadamec *et al.* (1999). We also followed methods developed by DFO's Marine Ecosystems and Aquaculture Division (Pacific Biological Station) for sampling Dungeness crabs. Description of biological characteristics and field codes are in Appendix Table 1.

All crabs caught were sampled for biological information. Biological and morphometric characteristics recorded for all crabs included: species, sex, shell condition, injuries, missing limbs, carapace width (CW) inside of the spines, claw height and claw length only for the right claw of male Tanner crabs, abdominal width for female Tanner crabs, presence of ovigerous females and egg colour for egg-bearing females. Individual weights of Tanner crabs were only taken on the NEOCALIGUS. Right claw measurements were only recorded for male *Chionoecetes* spp. If the right claw was missing the left claw was not measured. Abdominal measurements were only recorded for female *Chionoecetes* spp.

Disease

Biological field technicians were trained to recognize and record the prevalence of bitter crab disease (BCD) caused by the parasitic dinoflagellate *Hematodinium* sp. (Love *et al.* 1993, 1996).

The parasite causes a fatal wasting disease and affects the taste of infected crabs. Symptoms of bitter crab disease include pink joints, cloudy hemolymph in joints or chalky or opaque carapace (Love *et al.* 1996; Jadamec *et al.* 1999).

During the NEOCALIGUS surveys, DFO biologists were supplied with a BCD kit containing 95% ethanol and Davidson's solution provided by the Shellfish Health Program at the Pacific Biological Station. Crabs suspected of BCD infection were to be sampled for hemolymph, hepatopancreas and heart.

Tanner crabs suspected of black mat fungus were to be sampled for prevalence of a fungal infection caused by *Trichomaris invandens*. This disease is recognized by the black mat-like appearance on the outer carapace of infected *Chionoecetes* spp. (Jadamec *et al.* 1999).

Tagging and Recovery

Research Surveys

Live uninjured Tanner crabs captured during trap sampling were tagged using individually numbered, highly visible (blue) 1.6 cm Floy® T-bar tags (Model FD-94, Floy Tag & Mfg., Inc.). Dead, injured or moribund crabs were not tagged. Methods for tagging Tanner crab during this survey follow those described in McBride (1982) and Taylor (1982). T-bar tags were inserted in the right posterior suture line under the posterior margin of the carapace. The needle of the tagging gun (Model Mark III Regular Pistol Grip, Floy Tag & Mfg., Inc.) was inserted at an upward angle just above the 4th walking segment and just below the carapace through the suture line. Crabs were tagged and released following biological sampling. Tagged crabs recovered in surveys were sampled for biological information, the tag numbered recorded, and released.

Other Fisheries

A reward program was implemented to encourage fishers to return specific geographic information and fishing method when tagged crabs were captured during fishing. The program targets local First Nations and recreational fishers. Reward posters (Figure 14) were placed at the Post Office at Dawson's Landing, at the Wuikinuxv band office, at DFO Fisheries Offices in Port Hardy and Bella Coola, and distributed to all the recreational fishing lodges throughout the Rivers Inlet area.

RESULTS

Trap Survey

Overview

The WNFP deployed 316 Tanner traps on 64 groundline sets and 9 sets of single Tanner traps totaling 45 traps (Table 1).

Twenty-nine of the 64 groundline sets captured Tanner crabs while 1 of 5 single Tanner trap sets captured Tanner crabs. Depths sampled ranged from 24-391 m. Tanner crabs were captured in depths from 55-311 m (Table 1).

One hundred and seventy-six Tanner crabs were tagged and released during the WNFP survey. Summaries of biological data for released Tanner crabs are arranged by tag number in ascending order (Table 2). One Tanner crab was not tagged because it was previously tagged.

The NEOCALIGUS December 2004 survey deployed 291traps on 30 groundlines. Twenty-three of the 30 groundline sets captured Tanner crabs. Depths sampled ranged from 67-207 m. Tanner crabs were captured in depths ranging from 67-207 m (Table 3).

Two hundred and twenty-six Tanner crabs were tagged during the NEOCALIGUS December 2004 survey (Table 4). Summaries of biological data for Tanner crabs are arranged by tag number in ascending order (Table 4). Forty-three Tanner crabs were not tagged because they were previously tagged, dead, injured, appeared moribund or were less than 55 mm CW.

The NEOCALIGUS March 2005 survey deployed 416 trap sets on 42 groundlines. Thirty-four of the 42 groundline sets captured Tanner crabs. Depths sampled ranged from 65-210 m. Tanner crabs were captured in depths ranging from 65-210 m (Table 5).

Five hundred and forty-seven Tanner crabs were captured and released during the NEOCALIGUS March 2005 survey (Table 6). Since this was the last scheduled survey for Tanner crabs in Rivers Inlet, only Tanner crabs captured in Darby Channel and Upper Rivers Inlet were tagged because the areas were sampled again in the survey. Tanner crabs captured in all other areas were measured and released without tagging.

Tanner Crab Catch Rates

Detailed analyses of catch rates by trap type, depth and geographic location will be presented in a future report. Preliminary analyses of trap data from the WESTERN BOUNTY and NEOCALIGUS indicates the greatest abundance of Tanner crabs were found in Darby Channel, Draney Inlet, and Upper Rivers Inlet (Appendix Tables 2-6) at depths ranging between 70-150 m. Abundance was low in Hardy Inlet, Moses Inlet, Middle Rivers Inlet and Lower Rivers Inlet while there were no Tanner crabs captured in Fitz Hugh Sound (Appendix Tables 2-6).

Other Species

Tanner crabs were the most numerous species captured (n=171) during the WESTERN BOUNTY September 2004 trap survey. Next most abundant were Dungeness crabs (n=124) and spot prawns (*Pandalus platyceros*, n=102) (Table 7). Other species of crabs captured during this survey include squat lobster (*Munida quadrispina*), brown box crab (*Lopholithodes foraminatus*), decorator crab (*Oregonia gracilis*), redclaw crab (*Chorilia longipes*) and hermit

crabs (*Paguridae*). The most numerous fish species captured were quillback rockfish (*Sebastes maliger*) and darkfin sculpins (*Malacocottus zonurus*) (Table 7).

The most numerous species caught during the NEOCALIGUS December 2004 trap survey were squat lobster (n=1590) (Table 8). Next most abundant species were spot prawns (n=823), Dungeness crabs (n=319) and Tanner crabs (n=301). Squat lobsters and spot prawns were primarily captured with prawn traps. Other species of crabs captured were brown box crabs, redclaw crab, toad crab (*Hyas lyratus*) and hermit crabs. Fish by-catch was low but included spiny dogfish (*Squalus acanthias*) quillback rockfish, yelloweye rockfish (*Sebastes rubberimus*), sharpchin rockfish (*Sebatses zacentrus*) and darkfin sculpin (Table 8).

Spot prawns (n = 1,785) were the most numerous species caught during the NEOCALIGUS March 2005 trap survey (Table 9). This was followed by squat lobsters (n=1694), Tanner crabs (n=547) and Dungeness crabs (n=374). Squat lobsters and spot prawns were almost entirely captured with prawn traps. Other species of crabs captured included hermit crabs, brown box crab and redclaw crab. Fish by-catch was low (Table 9).

Trawl Survey

Overview

Trawling was only done by the NEOCALIGUS during the December 2004 survey. Eight tows with the shrimp trawl were made from the NEOCALIGUS (Table 10). Two tow locations (N 105 and N 110) were not completed due to the net hanging up on the bottom. Tanner crabs were captured in four of 8 tows. Depths sampled ranged from 68-334 m and Tanner crabs were caught in depths from 145-334 m (Table 10). Thirty-nine Tanner crabs were captured and only 30 were tagged. Tanner crabs approximately 56 mm CW or less were not tagged, nor were dead or moribund crabs. Summaries of biological data for Tanner crabs are arranged by tag number in ascending order (Table 10).

Eight tows with the beam trawl were made from the NEOCALIGUS. Tanner crabs were captured in four of 8 tows. Depths sampled ranged from 43-102 m and Tanner crabs were caught in depths 43-68 m (Table 11). Twenty-eight Tanner crabs were captured by beam trawling ranging in size from 4 mm to 89 mm CW. Only five Tanner crabs were tagged. The others were too small to be tagged. Summaries of biological data for Tanner crabs are arranged by tag number in ascending order (Table 11).

Tanner Crab Catch Rates

Tanner crab density estimates from trawling will be presented in a future report. Although we were able to capture adult and juvenile Tanner crabs by trawling, preliminary analysis of trawl data indicates that trawling may not be useful for estimating Tanner crab densities. Density estimates of Tanner crabs from beam trawling are not possible and were not the purpose of using

this gear-type. However beam trawling did prove useful for capturing juvenile Tanner crabs less than 40 mm CW.

Other Species

Flathead sole (*Hippoglossoide elassodon*) was the species most commonly captured during the NEOCALIGUS trawl survey (Table 12). Ratfish accounted for 14.30% of the total catch weight, followed by slender sole (*Lyopsetta exilis*) at 13.62% and Pacific hake (*Merluccius productus*) at 10.89% (Table 12). Tanner crab accounted for 2.21% of the total catch weight. Other crab species captured during trawling included squat lobsters (8.04%), Dungeness crabs (1.16%), brown box crabs (0.47%), red claw crabs (0.01%) and hermit crabs (0.01%) (Table 12).

Squat lobster was captured in greatest proportions (16.80%) in terms of weight by beam trawling (Table 13). It was followed by Dungeness crab (8.67%), spot prawns (8.06%) and walleye pollock (5.17%). Tanner crab accounted for 3.49% of the total catch weight although most were juveniles (Table 3 and Table 13).

Disease

No Tanner crabs captured during the WESTERN BOUNTY September 2004 survey or the NEOCALIGUS December 2004 were sampled for disease. A Tanner crab suspected of black mat fungus was sampled during the NEOCALIGUS March 2005 survey. A small section of leg was clipped from the Tanner crab and placed in Davidson's solution. The sample was examined by the Shellfish Health Program at the Pacific Biological Station and found not to have black mat fungus.

Tag Recovery

One tagged Tanner crab was recovered during the WESTERN BOUNTY September 2004 trap survey (Table 14). The recovered crab was initially tagged (43253, set W 613) on February 8, 2004 trap survey (Fong *et al.* 2004). The tagged Tanner crab was recovered and released on September 12, 2004 during set W 30.

Three tagged Tanner crabs were recovered during the NEOCALIGUS December 2004 trap survey (Table 15). The recovered crabs, 43050, 43268 and 43345 were all initially tagged on January 22, 2004, February 9, 2004 and February 18, 2004 respectively (Fong *et al.* 2004). Tagged Tanner crab 43050 was recovered and released on December 6, 2004. Tagged Tanner crab 43268 was recovered and released on December 9, 2004. Tagged Tanner crab 43345 was recovered and released on December 5, 2004. No tagged Tanner crabs were captured by trawling.

During the NEOCALIGUS March 2005 trap survey, 14 tagged Tanner crabs were recovered (Table 16). Two recovered crabs (43102 and 43362) were initially tagged on January 23, 2004 and February 19, 2004 repectively. Four tagged crabs (43408, 43471, 43655 and 43660) were

recovered one year after being released in March 2004. Two more tagged crabs (44028 and 44140) were recovered from the December 2004 survey.

One of the objectives for the NEOCALIGUS March 2005 survey was to recover tagged Tanner crabs in Darby Channel and Upper Rivers Inlet several days after being released. Six tagged Tanner crabs were recovered after being released 4 days earlier. The six Tanner crabs (44260, 44262, 44263, 44282 and 44310) were all recaptured in Darby Channel (Table 16).

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REFERENCES

Butler, T.H. 1984. Dungeness crab. Underwater World. Fisheries and Oceans Canada, Ottawa. 4 p.

Butler, T.H. 1986. Crabs. p. 54-58. *In*: G.S. Jamieson and K. Francis [eds.]. Invertebrate and marine plant fishery resources of British Columbia. Can. Spec. Publ. Fish. Aquat. Sci. 91.

Fong, K.H., Gillespie, G.E., Phillips, A.C., and Krause, G.G. 2004. Exploratory surveys for inshore Tanner crabs (*Chionoecetes bairdi*) in Rivers Inlet and Fitz Hugh Sound, British Columbia, January-March, 2004. Can. Data Rep. Fish. Aquat. Sci. 1153: 104 p.

Hart, J.F.L. 1982. Crabs and their relatives of British Columbia. B.C. Prov. Mus. Handbook 40. 267 p.

Jadamec, S.L., Donaldson, W.E., and Cullenberg, P. 1999. Biological field techniques for *Chionoecetes* crabs. Univ. of Alaska, Alaska Sea Grant, AK-SG-99-02. 80 p.

Krause, G.G., Workman, G., and Phillips, A.C. 2001. A phase '0' review of the biology and fisheries of the Tanner crab (*Chionoecetes bairdi*). CSAS Res. Doc. 2001/160. 78 p.

Love, D.C., Rice, S.D., Moles, D.A., and Eaton, W.D. 1993. Seasonal prevalence and intensity of bitter crab dinoflagellate infection and host mortality in Alaskan Tanner crabs *Chionoecetes bairdi* from Auke Bay, Alaska, USA. Dis. Aquat. Org. 15: 1-7.

Love, D.C., Thomas, R., and Moles, A. 1996. Bitter crab hemolymph studies: Indications of host physical condition. Proc. Int. Symp. High Latitude Crabs. Alaska Sea Grant 96-02: 549-562.

MAFF. 2003. The 2003 British Columbia Seafood Industry Year in Review. BC Ministry of Agriculture, Food and Fisheries (MAFF).

McBride, J. 1982. Tanner crab tag development and tagging experiments 1978-1982. *In*: Proceedings of the International Symposium on the Genus *Chionoecetes*. University of Alaska Sea Grant, AK-SG-82-10.

Perry, R.I., Walters, C.J., and Boutillier, J.A. 1999. A framework for providing scientific advice for the management of new and developing invertebrate fisheries. Rev. Fish. Biol. Fisheries 9:125-150.

Taylor, D.M. 1982. A recent development in tagging studies on snow crab, *Chionoecetes opilio*, in Newfoundland - retention of tags through ecdysis. *In*: Proceedings of the Symposium on the Genus *Chionoecetes*. University of Alaska Sea Grant, AK-SG-82-10.

Winther, I., and Phillips, A. 2002. Crab trap fisheries. p. 108-127. *In*: R.M. Harbo and E.S. Wylie [eds.]. Pacific commercial fishery updates for invertebrate resources (1997). Can. Manuscr. Rep. Fish. Aquat. Sci. 2586.

Workman, G.D., Phillips, A.C., Scurrah, F.E., and Boutillier, J.A. 2000. Development of a fishery for Tanner crab (*Chionoecetes tanneri*) off the coast of British Columbia. CSAS Res. Doc. 2000/169. 71 p.

Workman, G.D., Boutillier, J.A., Phillips, A.C., Gillespie, G.E., Park, W-G., Clark, D., and Pennell, B. 2001. Results of a bottom trawl survey of grooved Tanner crab, *Chionoecetes tanneri* Rathbun, stocks off the west coast of Vancouver Island, July 21-August 3, 1999. Can. Manuscr. Rep. Fish. Aquat. Sci. 2568: 79 p.

Table 1. Set locations, dates, soak time, depths and presence of *C. bairdi*, Tanner crab trap survey, F/V WESTERN BOUNTY, September 2 - 14, 2004.

Set #	Traps Sampled	Set Date	Set Time	Haul Date	Haul Time	Soak Time (h)	Depth (m) Min	Depth (m) Max	Start Lat	Start Long	Finish Lat	Finish Long	*C. bairdi*
W 1	4	9/2/2005	11:50	9/3	13:45	26	129	138	51 41.06	127 17.85	51 41.04	127 17.56	Present
W 2	5	9/2/2005	11:30	9/3	12:50	25	153	153	51 40.60	127 17.96	51 40.48	127 17.65	Present
W 3	5	9/2/2005	11:00	9/3	12:05	25	134	185	51 40.15	127 18.96	51 40.17	127 18.77	Absent
W 4	5	9/2/2005	10:25	9/3	10:35	24	111	125	51 41.48	127 21.00	51 41.52	127 20.73	Present
W 5	5	9/2/2005	12:35	9/3	16:30	28	120	125	51 40.71	127 16.33	51 40.50	127 16.33	Present
W 6	5	9/3/2005	11:10	9/4	8:40	22	78	96	51 39.28	127 21.01	51 39.25	127 21.39	Absent
W 7	5	9/3/2005	11:40	9/4	9:10	22	242	251	51 39.90	127 22.23	51 39.85	127 22.61	Present
W 8	5	9/3/2005	14:45	9/4	12:25	22	287	296	51 39.09	127 24.91	51 39.06	127 25.27	Absent
W 9	5	9/3/2005	14:55	9/4	11:40	21	300	311	51 38.85	127 26.74	51 38.80	127 27.13	Present
W 10	5	9/3/2005	15:25	9/4	13:15	22	130	131	51 40.70	127 27.41	51 40.95	127 27.33	Absent
W 11	4	9/4/2005	11:00	9/5	10:30	24	236	236	51 42.09	127 26.94	51 42.31	127 26.94	Absent
W 12	5	9/4/2005	14:20	9/5	15:35	25	207	210	51 43.92	127 27.26	51 43.73	127 27.23	Absent
W 13	5	9/4/2005	14:45	9/5	16:20	26	172	185	51 45.81	127 26.92	51 46.03	127 26.86	Present
W 14	5	9/4/2005	15:05	9/5	13:55	23	69	124	51 46.15	127 25.23	51 46.22	127 24.85	Absent
W 15	5	9/5/2005	14:21	9/6	12:25	22	240	245	51 46.64	127 23.68	51 46.85	127 23.53	Absent
W 16	5	9/5/2005	17:13	9/6	11:43	18	201	212	51 48.01	127 23.44	51 48.23	127 23.33	Present
W 17	5	9/5/2005	13:05	9/6	9:45	21	146	166	51 49.63	127 21.80	51 49.81	127 21.54	Present
W 18	5	9/5/2005	12:50	9/6	9:17	20	97	155	51 49.71	127 22.41	51 49.52	127 22.60	Present
W 19	5	9/5/2005	12:35	9/6	8:45	20	155	165	51 50.60	127 21.72	51 50.34	127 21.74	Present
W 20	5	9/4/2005	10:45	9/5	9:45	23	236	241	51 41.51	127 29.15	51 41.50	127 28.84	Present
W 21	5	9/4/2005	10:30	9/5	9:15	23	119	168	51 41.29	127 29.10	51 41.35	127 29.43	Present
W 22	5	9/6/2005	14:00	9/7	8:45	19	274	278	51 41.82	127 31.23	51 41.85	127 31.58	Absent
W 23	5	9/6/2005	14:20	9/7	9:20	19	144	174	51 42.10	127 31.49	51 42.10	127 31.86	Present
W 24	5	9/6/2005	14:45	9/7	10:10	19	137	170	51 41.50	127 33.57	51 41.37	127 33.29	Present
W 25	5	9/6/2005	15:05	9/7	10:45	20	104	165	51 42.33	127 33.60	51 42.30	127 33.97	Absent
W 26	5	9/6/2005	15:25	9/7	11:30	20	201	219	51 42.30	127 37.55	51 42.31	127 37.91	Present
W 27	5	9/6/2005	17:17	9/7	14:00	21	229	302	51 37.62	127 28.82	51 37.75	127 28.53	Absent
W 28	5	9/11/2005	11:05	9/12	10:35	24	318	320	51 37.94	127 32.50	51 38.11	127 32.28	Absent
W 29	5	9/11/2005	10:48	9/12	9:40	23	322	322	51 37.11	127 31.49	51 37.32	127 31.24	Absent
W 30	5	9/11/2005	15:20	9/12	11:15	20	115	139	51 36.70	127 33.30	51 36.92	127 33.21	Present
W 31	5	9/11/2005	14:50	9/12	12:40	22	99	134	51 34.68	127 33.74	51 34.88	127 33.63	Present
W 32	5	9/11/2005	15:07	9/12	12:03	21	60	75	51 35.21	127 34.24	51 35.41	127 34.15	Present
W 33	5	9/11/2005	14:30	9/12	13:20	23	66	75	51 33.59	127 36.12	51 33.75	127 35.87	Present
W 34	5	9/10/2005	14:10	9/11	12:10	22	69	73	51 32.62	127 37.43	51 32.78	127 37.24	Absent
W 35	5	9/10/2005	13:54	9/11	12:37	23	55	77	51 31.56	127 38.37	51 32.03	127 37.92	Present
W 36	5	9/10/2005	13:40	9/11	13:10	24	60	84	51 30.68	127 40.11	51 30.82	127 39.88	Present
W 37	5	9/7/2005	15:15	9/8	7:35	16	117	130	51 33.70	127 31.37	51 33.46	127 31.39	Present
W 38	5	9/7/2005	15:35	9/8	8:05	16	256	315	51 32.57	127 32.23	51 32.28	127 32.27	Absent
W 39	5	9/7/2005	16:00	9/8	9:30	18	212	223	51 30.85	127 32.23	51 31.11	127 32.09	Present
W 40	5	9/7/2005	16:20	9/8	8:55	17	123	190	51 31.02	127 31.59	51 31.26	127 31.45	Absent
W 41	5	9/7/2005	16:50	9/8	10:15	17	183	247	51 30.73	127 34.96	51 30.91	127 34.70	Absent
W 42	5	9/9/2005	12:30	9/10	8:50	20	316	320	51 28.80	127 35.26	51 28.63	127 35.43	Absent
W 43	5	9/9/2005	13:15	9/10	9:35	20	315	320	51 28.28	127 35.44	51 28.14	127 35.65	Absent
W 44	4	9/9/2005	13:00	9/10	10:10	21	181	207	51 28.33	127 34.77	51 28.19	127 35.09	Absent
W 45	5	9/9/2005	14:18	9/10	11:00	21	135	157	51 26.72	127 39.95	51 26.70	127 40.34	Absent
W 46	5	9/9/2005	13:55	9/12	19:15	77	366	391	51 25.96	127 40.82	51 25.98	127 41.22	Absent
W 47	5	9/12/2005	15:10	9/13	8:25	17	168	179	51 28.63	127 47.05	51 28.47	127 46.92	Absent
W 48	5	9/12/2005	15:40	9/13	9:20	18	170	172	51 30.26	127 51.46	51 30.45	127 51.50	Absent
W 49	5	9/12/2005	16:05	9/13	10:15	18	124	130	51 32.09	127 53.34	51 32.30	127 53.35	Absent
W 50	5	9/10/2005	13:25	9/11	13:30	24	123	146	51 30.95	127 41.15	51 31.09	127 40.87	Absent
W 51	5	9/9/2005	15:40	9/10	14:50	23	75	79	51 31.95	127 42.05	51 31.79	127 41.83	Absent

Table 1. (Cont'd)

Set #	Traps Sampled	Set Date	Set Time	Haul Date	Haul Time	Soak Time (h)	Depth (m) Min	Depth (m) Max	Start Lat	Start Long	Finish Lat	Finish Long	*C. bairdi*
W 52	5	9/9/2005	15:15	9/10	15:20	24	216	229	51 30.85	127 43.62	51 30.93	127 43.98	Absent
W 53	5	9/12/2005	17:25	9/13	16:05	23	73	119	51 35.83	127 51.39	51 35.79	127 51.09	Absent
W 54	5	9/12/2005	17:00	9/13	14:25	21	351	362	51 36.25	127 53.31	51 36.03	127 53.23	Absent
W 55	5	9/12/2005	16:35	9/13	15:15	23	274	296	51 36.13	127 54.32	51 36.32	127 54.40	Absent
W 56	5	9/13/2005	12:45	9/14	7:45	19	320	331	51 42.83	127 54.29	51 42.63	127 54.25	Absent
W 57	5	9/13/2005	12:24	9/14	8:34	20	336	351	51 42.85	127 56.98	51 43.05	127 56.99	Absent
W 58	5	9/13/2005	12:00	9/14	9:20	21	285	316	51 42.17	127 58.66	51 42.33	127 58.69	Absent
W 59	5	9/8/2005	12:20	9/9	9:20	21	119	132	51 26.54	127 27.44	51 26.30	127 27.49	Present
W 60	5	9/8/2005	12:40	9/9	10:00	21	123	124	51 24.59	127 28.61	51 24.56	127 28.94	Absent
W 61	5	9/8/2005	13:55	9/9	8:45	19	137	143	51 26.42	127 25.77	51 26.41	127 25.42	Present
W 62	5	9/8/2005	14:20	9/9	8:05	18	148	154	51 26.19	127 22.11	51 26.18	127 21.76	Present
W 63	5	9/8/2005	14:35	9/9	7:30	17	126	130	51 26.07	127 19.56	51 26.03	127 19.22	Present
W 64	4	9/8/2005	14:48	9/9	7:00	16	69	82	51 26.18	127 18.95	51 26.30	127 19.24	Present
W 601	5	9/2/2005	8:30	9/3	8:50	24	41	47	51 40.12	127 16.15	51 40.92	127 16.04	Absent
W 602	5	9/2/2005	9:25	9/3	9:55	24	37	48	51 41.76	127 20.41	51 41.69	127 21.14	Absent
W 603	5	9/4/2005	15:25	9/5	14:50	23	33	68	51 46.60	127 26.45	51 46.68	127 26.98	Absent
W 604	5	9/5/2005	17:45	9/6	10:55	17	88	91	51 51.43	127 21.38	51 51.49	127 21.72	Present
W 605	5	9/5/2005	17:55	9/6	10:35	17	24	40	51 51.60	127 21.29	51 51.74	127 21.72	Absent
W 606	5	9/6/2005	15:40	9/7	12:10	20	53	143	51 42.36	127 39.41	51 42.29	127 38.46	Absent
W 607	5	9/7/2005	17:05	9/8	10:50	18	31	68	51 31.52	127 35.10	51 30.93	127 35.13	Absent
W 608	5	9/8/2005	11:55	9/9	11:35	24	75	80	51 27.25	127 31.99	51 26.58	127 28.80	Absent
W 609	5	9/8/2005	13:02	9/9	10:32	21	24	101	51 24.19	127 32.09	51 24.46	127 29.88	Absent

Table 2. Biological information and tag numbers for *C. bairdi* by set number, Tanner crab trap survey, F/V WESTERN BOUNTY, September 2 - 14, 2004.

Set #	Date	Biological Information										Tag Number
		Sex	Shell Condition	Injury Code	Missing Claw	Missing Legs	Observation Code	Shell Width	Weight (g)	Male Claw Length	Male Claw Width	Female Abdominal	
W 20	9/4/2004	Gravid female	8	9				83					
W 30	9/11/2004	Male	1			1		95		40	19		43253
W 4	9/2/2004	Gravid female	6					78				56	43769
W 2	9/2/2004	Gravid female	8			2		77				46	43771
W 2	9/2/2004	Gravid female	8					79				56	43772
W 2	9/2/2004	Gravid female	8					82				49	43773
W 2	9/2/2004	Gravid female	8					82				52	43774
W 2	9/2/2004	Gravid female	8					70				43	43775
W 2	9/2/2004	Gravid female	8					78				51	43776
W 2	9/2/2004	Male	8			1		99		39	20		43777
W 2	9/2/2004	Gravid female	8					70				42	43778
W 2	9/2/2004	Gravid female	8			1		75				49	43779
W 2	9/2/2004	Gravid female	8			1		80				51	43780
W 2	9/2/2004	Gravid female	8					80				54	43781
W 2	9/2/2004	Male	8					85		31	14		43782
W 2	9/2/2004	Gravid female	8			1		84				54	43783
W 2	9/2/2004	Gravid female	8					89				51	43784
W 2	9/2/2004	Gravid female	8			1		89				59	43785
W 2	9/2/2004	Gravid female	8			1		89				57	43786
W 2	9/2/2004	Male	1					111		49	25		43787
W 2	9/2/2004	Gravid female	8			1		79				49	43788
W 2	9/2/2004	Gravid female	8			1		99				60	43789
W 2	9/2/2004	Gravid female	8					78				47	43790
W 2	9/2/2004	Gravid female	8					65				41	43791
W 2	9/2/2004	Male	8					119		53	25		43792
W 1	9/2/2004	Gravid female	8					77				54	43793
W 1	9/2/2004	Gravid female	6			2		74				47	43794
W 1	9/2/2004	Male	8			2		98		37	18		43795
W 5	9/2/2004	Male	1					80		24	12		43796
W 5	9/2/2004	Male	1					97		37	18		43797
W 5	9/2/2004	Male	1					97		38	18		43798
W 7	9/3/2004	Gravid female	8					86				55	43799
W 9	9/3/2004	Gravid female	8					87				53	43800
W 9	9/3/2004	Gravid female	8			1		84				54	43801
W 21	9/4/2004	Male	8					116		49	22		43802
W 20	9/4/2004	Gravid female	1					86				53	43803
W 20	9/4/2004	Male	8		1			97					43804
W 13	9/4/2004	Female	1					67				29	43805
W 13	9/4/2004	Male	1					83		37	18		43806
W 13	9/4/2004	Male	1					67		19	10		43807
W 19	9/5/2004	Male	1					86		34	17		43808
W 18	9/5/2004	Male	1					103		43	21		43809
W 18	9/5/2004	Male	1					83		28	14		43810
W 18	9/5/2004	Male	8					81		34	17		43811
W 17	9/5/2004	Female	8					70				32	43812
W 17	9/5/2004	Male	8					82		34	16		43813
W 17	9/5/2004	Gravid female	8					74				48	43814
W 17	9/5/2004	Male	1	4				78					43815
W 17	9/5/2004	Female	1					67				30	43816
W 17	9/5/2004	Male	1					63		17	8		43817
W 17	9/5/2004	Gravid female	1			2		87				55	43818
W 17	9/5/2004	Male	1					64		16	7		43819
W 17	9/5/2004	Female	1					65				30	43820

Table 2. (Cont'd)

Set #	Date	Biological Information										Tag Number
		Sex	Shell Condition	Injury Code	Missing Claw	Missing Legs	Observation Code	Shell Width	Weight (g)	Male Claw Length	Male Claw Width	Female Abdominal	
W 17	9/5/2004	Male	1					60		15	8		43821
W 17	9/5/2004	Female	1					58				26	43822
W 17	9/5/2004	Female	1			2		62				29	43823
W 17	9/5/2004	Male	1			1		74		22	11		43824
W 17	9/5/2004	Gravid female	8					76				49	43825
W 17	9/5/2004	Male	1			1		76		21	10		43826
W 604	9/5/2004	Female	1					76				37	43827
W 16	9/5/2004	Male	1					85		35	17		43828
W 16	9/5/2004	Gravid female	8			1		81				51	43829
W 16	9/5/2004	Gravid female	1					77				49	43830
W 16	9/5/2004	Female	1					76				36	43831
W 16	9/5/2004	Gravid female	1					73				49	43832
W 16	9/5/2004	Gravid female	1					78				50	43833
W 16	9/5/2004	Male	8					79		36	18		43834
W 16	9/5/2004	Gravid female	8			1		73				48	43835
W 16	9/5/2004	Gravid female	8					68				44	43836
W 23	9/6/2004	Gravid female	8					79				49	43837
W 23	9/6/2004	Male	1			1		109		47	22		43838
W 23	9/6/2004	Male	1					106		46	22		43839
W 23	9/6/2004	Male	1					99		37	19		43840
W 23	9/6/2004	Male	8					103		38	18		43841
W 23	9/6/2004	Male	8			1		101		42	25		43842
W 23	9/6/2004	Male	8	4		1		112					43843
W 23	9/6/2004	Male	1					100		42	20		43844
W 23	9/6/2004	Male	1			2		124		54	25		43845
W 23	9/6/2004	Male	1			1		108		43	20		43846
W 23	9/6/2004	Male	1					113		49	24		43847
W 23	9/6/2004	Male	1					99		41	20		43848
W 23	9/6/2004	Male	1					105		45	21		43849
W 23	9/6/2004	Male	1					103		46	24		43850
W 23	9/6/2004	Gravid female	1		1			78				47	43851
W 23	9/6/2004	Male	1					92		33	16		43852
W 23	9/6/2004	Male	1					75		27	12		43853
W 24	9/6/2004	Male	1					66		23	9		43854
W 24	9/6/2004	Female	1					65				28	43855
W 24	9/6/2004	Male	1					67		20	9		43856
W 26	9/6/2004	Gravid female	8					78				51	43857
W 26	9/6/2004	Gravid female	1					64				39	43858
W 26	9/6/2004	Male	1			1		85		25	13		43859
W 26	9/6/2004	Female	1			1		61				26	43860
W 26	9/6/2004	Male	1			1		91		34	17		43861
W 26	9/6/2004	Female	1					66				29	43862
W 26	9/6/2004	Gravid female	8					70				46	43863
W 26	9/6/2004	Gravid female	1					89				55	43864
W 26	9/6/2004	Gravid female	1					81				49	43865
W 26	9/6/2004	Male	8					101		41	19		43866
W 37	9/7/2004	Male	1	6				79		29	13		43867
W 39	9/7/2004	Gravid female	6			2		80				53	43868
W 39	9/7/2004	Gravid female	8			1		71				43	43869
W 39	9/7/2004	Male	1			2		98		36	18		43870
W 64	9/8/2004	Male	6					89		32	16		43871
W 64	9/8/2004	Male	7			1		104		46	23		43872
W 63	9/8/2004	Male	8					84		25	13		43873
W 63	9/8/2004	Gravid female	6					68				44	43874
W 63	9/8/2004	Gravid female	1					76				46	43875

Table 2. (Cont'd)

Set #	Date	Biological Information										Tag Number
		Sex	Shell Condition	Injury Code	Missing Claw	Missing Legs	Observation Code	Shell Width	Weight (g)	Male Claw Length	Male Claw Width	Female Abdominal
W 63	9/8/2004	Male	1		1			80				43876
W 63	9/8/2004	Female	1			3	3	62				27 43877
W 63	9/8/2004	Male	1			2	3	66		18	9	43878
W 63	9/8/2004	Gravid female	6	6		1		81				55 43879
W 63	9/8/2004	Male	1					69		45	12	43880
W 63	9/8/2004	Male	1					110		46	2	43881
W 63	9/8/2004	Male	1			1		97		39	19	43882
W 63	9/8/2004	Gravid female	8			1		83				51 43883
W 63	9/8/2004	Gravid female	6					69				44 43884
W 62	9/8/2004	Male	1					97		37	17	43885
W 62	9/8/2004	Gravid female	8					82				50 43886
W 62	9/8/2004	Male	1					80		28	14	43887
W 62	9/8/2004	Gravid female	8					82				51 43888
W 62	9/8/2004	Male	1					112		49	24	43889
W 62	9/8/2004	Gravid female	1					82				58 43890
W 62	9/8/2004	Gravid female	8					88				56 43891
W 62	9/8/2004	Gravid female	8					90				61 43892
W 62	9/8/2004	Gravid female	8					87				56 43893
W 62	9/8/2004	Gravid female	6		1	1		80				50 43894
W 62	9/8/2004	Male	1		1			119		52	26	43895
W 61	9/8/2004	Male	1			2		82		32	16	43896
W 61	9/8/2004	Male	1			1		77		34	16	43897
W 59	9/8/2004	Male	1					86		39	20	43898
W 59	9/8/2004	Male	1			1		108		44	21	43899
W 59	9/8/2004	Male	1					82		29	14	43900
W 59	9/8/2004	Male	1					81		29	14	43901
W 59	9/8/2004	Male	1			1		134		61	29	43902
W 59	9/8/2004	Male	1			3		105		43	21	43903
W 59	9/8/2004	Male	1					82		34	17	43904
W 59	9/8/2004	Male	1					67		20	10	43905
W 59	9/8/2004	Male	1			1		78		31	16	43906
W 59	9/8/2004	Male	1					84		36	17	43907
W 59	9/8/2004	Male	1					98		38	18	43908
W 609	9/8/2004	Male	1					83		40	19	43909
W 609	9/8/2004	Male	8					87		32	16	43910
W 609	9/8/2004	Male	8					83		35	17	43911
W 35	9/10/2004	Gravid female	1					86				54 43912
W 36	9/10/2004	Male	1					105		45	23	43913
W 36	9/10/2004	Male	1					100		38	19	43914
W 36	9/10/2004	Male	1					116		52	24	43915
W 30	9/11/2004	Gravid female	1					81				51 43916
W 30	9/11/2004	Gravid female	1					83				53 43917
W 30	9/11/2004	Gravid female	1					82				60 43918
W 30	9/11/2004	Male	1					102		43	20	43919
W 30	9/11/2004	Male	1			1		103		46	22	43920
W 30	9/11/2004	Gravid female	1					85				53 43921
W 30	9/11/2004	Male	1			1		82		36	18	43922
W 30	9/11/2004	Male	1			1		82		29	14	43923
W 30	9/11/2004	Male	1					84		38	19	43924
W 30	9/11/2004	Male	1			1		101		44	21	43925
W 30	9/11/2004	Male	1					98		40	19	43926
W 30	9/11/2004	Male	1					107		46	21	43927
W 30	9/11/2004	Male	1					115		52	26	43928
W 30	9/11/2004	Male	1					108		43	21	43929
W 30	9/11/2004	Male	1		1			105				43930

Table 2. (Cont'd)

Set #	Date	Biological Information										Tag Number
		Sex	Shell Condition	Injury Code	Missing Claw	Missing Legs	Observation Code	Shell Width	Weight (g)	Male Claw Length	Male Claw Width	Female Abdominal	
W 30	9/11/2004	Male	1					112		46	23		43931
W 30	9/11/2004	Male	1					104		45	22		43932
W 30	9/11/2004	Male	1					96		31	15		43933
W 30	9/11/2004	Male	1					109		49	24		43934
W 30	9/11/2004	Male	1					116		52	26		43935
W 32	9/11/2004	Male	6			1		120		54	25		43936
W 32	9/11/2004	Male	8			1		119		53	26		43937
W 31	9/11/2004	Male	1					83		37	18		43938
W 31	9/11/2004	Gravid female	1					81				49	43939
W 31	9/11/2004	Male	1					102		38	19		43940
W 31	9/11/2004	Male	1					84		32	15		43941
W 31	9/11/2004	Gravid female	1					84				51	43942
W 33	9/11/2004	Male	6	4				104					43943
W 33	9/11/2004	Male	1					131		61	28		43944

Table 3. Set locations, dates, soak time, depths and presence of *C. bairdi*, Tanner crab trap survey, CCGS NEOCALIGUS, December 2 - 9, 2004.

Set	Traps	Set		Haul		Soak	Depth (m)		Start		Finish		*C.bairdi*
#	Sampled	Date	Time	Date	Time	Time (h)	Min	Max	Lat	Long	Lat	Long	
N 1	8	12/2	7:47	12/3	12:30	29	71	73	51 35.31	127 34.22	51 35.15	127 34.10	Present
N 2	9	12/2	8:10	12/3	11:30	27	78	80	51 33.84	127 35.65	51 33.69	127 35.85	Present
N 3	9	12/2	8:35	12/3	9:40	25	67	70	51 31.71	127 38.11	51 31.56	127 38.36	Present
N 4	10	12/2	8:50	12/3	8:50	24	80	86	51 30.63	127 39.67	51 30.59	127 39.95	Present
N 5	10	12/2	9:05	12/3	8:30	23	118	127	51 30.82	127 41.01	51 30.10	127 40.86	Absent
N 6	10	12/3	10:25	12/4	8:10	22	130	130	51 36.75	127 33.23	51 36.56	127 33.20	Present
N 7	10	12/3	11:00	12/4	9:00	22	200	200	51 34.85	127 33.63	51 35.05	127 33.52	Absent
N 8	10	12/3	11:05	12/4	9:25	22	100	100	51 34.37	127 33.91	51 34.58	127 33.79	Present
N 9	10	12/3	13:30	12/4	10:00	20	120	120	51 33.86	127 31.37	51 33.63	127 31.39	Present
N 10	10	12/3	13:55	12/4	10:45	21	120	120	51 30.81	127 31.63	51 30.60	127 31.71	Absent
N 11	9	12/4	12:15	12/5	13:00	25	120	121	51 26.56	127 27.81	51 26.54	127 27.46	Present
N 12	10	12/4	12:35	12/5	12:20	24	120	120	51 24.99	127 28.44	51 24.82	127 28.60	Present
N 13	9	12/4	13:15	12/5	11:15	22	150	153	51 26.24	127 22.60	51 26.21	127 22.16	Present
N 14	10	12/4	13:30	12/5	10:30	21	118	120	51 26.24	127 19.75	51 26.22	127 19.41	Present
N 15	10	12/4	13:40	12/5	9:45	20	90	92	51 26.28	127 19.33	51 26.20	127 19.06	Present
N 16	10	12/5	15:25	12/6	14:20	23	150	170	51 39.37	127 21.33	51 39.34	127 21.02	Absent
N 17	10	12/5	15:40	12/6	13:40	22	117	120	51 40.10	127 18.87	51 40.15	127 18.69	Present
N 18	10	12/5	15:50	12/6	13:00	21	170	170	51 40.41	127 17.52	51 40.49	127 17.25	Present
N 19	10	12/5	16:10	12/6	11:30	19	100	118	51 40.34	127 16.44	51 40.52	127 16.34	Present
N 20	10	12/5	16:10	12/6	12:30	20	100	120	51 41.06	127 17.29	51 41.10	127 17.65	Present
N 21	10	12/6	15:50	12/7	10:20	20	125	127	51 46.46	127 26.59	51 46.57	127 26.79	Absent
N 22	10	12/6	16:15	12/7	9:40	17	201	207	51 47.82	127 23.48	51 48.06	127 23.35	Present
N 23	10	12/6	16:30	12/7	9:00	16	127	130	51 49.56	127 21.72	51 49.79	127 21.55	Present
N 24	10	12/6	16:40	12/7	8:45	16	110	120	51 49.93	127 22.24	51 50.09	127 22.19	Absent
N 25	8	12/6	16:50	12/7	8:25	16	110	115	51 50.53	127 21.44	51 50.72	127 21.51	Present
N 26	10	12/7	12:25	12/9	8:50	44	77	82	51 32.82	127 37.20	51 32.53	127 37.50	Present
N 27	10	12/7	12:40	12/9	9:30	45	74	76	51 34.65	127 34.65	51 35.09	127 34.35	Present
N 28	8	12/7	15:10	12/9	12:30	45	192	204	51 35.05	127 33.52	51 34.71	127 33.58	Absent
N 29	11	12/7	15:30	12/9	11:00	44	67	69	51 35.31	127 34.22	51 35.51	127 34.10	Present
N 30	10	12/7	16:10	12/9	8:10	40	67	70	51 31.58	127 38.36	51 31.71	127 38.11	Present

Table 4. Biological information and tag numbers for *C. bairdi* by set number, Tanner crab trap and trawl survey, CCGS NEOCALIGUS, December 2 - 9, 2004.

Set #	Date	Biological Information										Tag Number
		Sex	Shell Condition	Injury Code	Missing Claw	Missing Legs	Observation Code	Shell Width	Weight (g)	Male Claw Length	Male Claw Width	Female Abdominal	
N 112	12/6/2004	Female	1					9					
N 104	12/3/2004	Gravid female	6		1	3		75				50	
N 113	12/8/2004	Male	1					9					
N 113	12/8/2004	Male	1					9					
N 113	12/8/2004	Male	1					8					
N 113	12/8/2004	Male	1					12					
N 113	12/8/2004	Male	1					6					
N 113	12/8/2004	Male	1					9					
N 113	12/8/2004	Female	1					9					
N 19	12/5/2004	Male	1		1	2		97		29	14		
N 112	12/6/2004	Male	1					9					
N 112	12/6/2004	Female	1	5				13					
N 113	12/8/2004	Female	1					9					
N 112	12/6/2004	Female	1					5					
N 113	12/8/2004	Male	1					9					
N 112	12/6/2004	Male	1					9					
N 112	12/6/2004	Female	1					9					
N 112	12/6/2004	Male	1					6					
N 112	12/6/2004	Female	1					4					
N 112	12/6/2004	Male	1					5					
N 112	12/6/2004	Female	1					5					
N 112	12/6/2004	Male	1					4					
N 111	12/6/2004	Female	1			1	3	43				17	
N 13	12/4/2004	Female	1					55	45			22	
N 104	12/3/2004	Male	6					121	620	46	27		
N 112	12/6/2004	Male	1					6					
N 113	12/8/2004	Female	1					13					
N 8	12/3/2004	Female	1		1	3	3	81				40	
N 14	12/4/2004	Male	2		2	5		80					
N 15	12/4/2004	Male	1		1	5		78		23	11		
N 110	12/6/2004	Male	8					104	340	31	16		
N 110	12/6/2004	Male	8			1		100		37	19		
N 103	12/2/2004	Gravid female	6	2		1		93				60	
N 107	12/4/2004	Male	1					72	105				
N 107	12/4/2004	Female	1					47	30			20	
N 107	12/4/2004	Male	1			2	3	49					
N 113	12/8/2004	Male	1					9					
N 113	12/8/2004	Female	1					12					
N 113	12/8/2004	Male	1					9					
N 113	12/8/2004	Female	3					12					
N 113	12/8/2004	Female	1					9					
N 113	12/8/2004	Male	1					12					
N 113	12/8/2004	Female	1					9					
N 113	12/8/2004	Male	1					12					
N 113	12/8/2004	Male	1					8					
N 113	12/8/2004	Female	1					13					
N 113	12/8/2004	Male	1					13					
N 113	12/8/2004	Female	1					9					
N 113	12/8/2004	Female	1					12					
N 113	12/8/2004	Male	1					13					
N 113	12/8/2004	Female	1					9					
N 113	12/8/2004	Female	1					13					
N 114	12/8/2004	Female	1					14					

Table 4. (Cont'd)

Set #	Date	Biological Information										Tag Number
		Sex	Shell Condition	Injury Code	Missing Claw	Missing Legs	Observation Code	Shell Width	Weight (g)	Male Claw Length	Male Claw Width	Female Abdominal
N 115	12/8/2004	Female	1					9				
N 27	12/7/2004	Male	6	9		4		125		54	29	
N 113	12/8/2004	Male	1					6				
N 114	12/8/2004	Male	1					9				
N 101	12/2/2004	Gravid female	8			2		81				52
N 114	12/8/2004	Male	1					9				
N 114	12/8/2004	Male	1					6				
N 114	12/8/2004	Male	1					9				
N 114	12/8/2004	Male	1					9				
N 114	12/8/2004	Male	1					9				
N 103	12/2/2004	Gravid female	6					83				
N 102	12/2/2004	Female	1					56	22			
N 114	12/8/2004	Female	1					9				
N 20	12/5/2004	Gravid female	8			1		80				48
N 27	12/7/2004	Male	6			1		126		51	25	
N 14	12/4/2004	Male	6					115	520	45	23	
N 101	12/2/2004	Male	1			1		87		30	16	
N 101	12/2/2004	Male	1					88	195	24	12	
N 101	12/2/2004	Female	1					75	105			34
N 102	12/2/2004	Male	1					57	33			
N 102	12/2/2004	Female	1					62	55			21
N 103	12/2/2004	Gravid female	6					89	200			54
N 103	12/2/2004	Gravid female	6			1		90				58
N 103	12/2/2004	Male	6					106	390	40	21	
N 103	12/2/2004	Gravid female	6			2		89				58
N 103	12/2/2004	Male	6					125	680	51	28	
N 103	12/2/2004	Gravid female	8					86	190			56
N 103	12/2/2004	Gravid female	6			1		91				60
N 103	12/2/2004	Gravid female	6			1		90				60
N 103	12/2/2004	Male	6					113	460	46	24	
N 103	12/2/2004	Gravid female	6					79	155			50
N 103	12/2/2004	Male	6			2		104		38	21	
N 103	12/2/2004	Gravid female	6		1	1		89				55
N 103	12/2/2004	Gravid female	6					74				45
N 103	12/2/2004	Gravid female	6					78	145			50
N 103	12/2/2004	Gravid female	6					86	195			56
N 103	12/2/2004	Gravid female	6			2		82				51
N 103	12/2/2004	Male	6			2		120		49	26	
N 103	12/2/2004	Gravid female	8					76	125			48
N 103	12/2/2004	Gravid female	6			1		88				54
N 103	12/2/2004	Gravid female	6			2		81				51
N 103	12/2/2004	Gravid female	6			1		91				55
N 4	12/2/2004	Male	6			1		114		47	23	
N 4	12/2/2004	Male	1					89	215	33	17	
N 4	12/2/2004	Female	1			1		80				39
N 4	12/2/2004	Male	6			1		116		47	23	
N 4	12/2/2004	Male	1			1		101		40	20	
N 4	12/2/2004	Gravid female	1			1		84				50
N 4	12/2/2004	Gravid female	1					81	145			51
N 3	12/2/2004	Male	1					88	205	24	13	
N 2	12/2/2004	Female	1					68	85			32
N 2	12/2/2004	Male	2			2		119		49	27	
N 2	12/2/2004	Male	6					121	555	48	24	
N 2	12/2/2004	Male	1					80	135	25	14	
N 2	12/2/2004	Male	2					111	400	43	22	

Table 4. (Cont'd)

Set #	Date	Biological Information										Tag Number
		Sex	Shell Condition	Injury Code	Missing Claw	Missing Legs	Observation Code	Shell Width	Weight (g)	Male Claw Length	Male Claw Width	Female Abdominal	
N 2	12/2/2004	Gravid female	1					84	175			53	43985
N 2	12/2/2004	Male	1					88	195	24	12		43986
N 2	12/2/2004	Male	6					130	725	54	28		43987
N 2	12/2/2004	Male	6			2		120		49	26		43988
N 2	12/2/2004	Male	6					105	360	38	20		43989
N 2	12/2/2004	Male	1					108	395	40	20		43990
N 2	12/2/2004	Male	6			2		120		51	28		43991
N 1	12/2/2004	Male	6		1	1		113					43992
N 1	12/2/2004	Male	6					115	540	44	25		43993
N 1	12/2/2004	Male	6			2		119		44	21		43994
N 1	12/2/2004	Male	6			3		101		36	20		43995
N 1	12/2/2004	Male	6			1		114		45	24		43996
N 1	12/2/2004	Male	6			1		122		46	25		43997
N 1	12/2/2004	Male	6					100	330	37	19		43998
N 1	12/2/2004	Male	6			2		125		52	27		43999
N 6	12/3/2004	Male	6			2		80		27	13		44000
N 6	12/3/2004	Male	8	5				85	180	28	15		44001
N 6	12/3/2004	Gravid female	6					80	150			49	44002
N 6	12/3/2004	Male	8					101	345	37	20		44003
N 6	12/3/2004	Male	6			1		92		31	17		44004
N 6	12/3/2004	Female	1					86	165			41	44005
N 6	12/3/2004	Gravid female	6					79	140			49	44006
N 6	12/3/2004	Gravid female	6					78	140			48	44007
N 6	12/3/2004	Male	6			1		96		35	19		44008
N 6	12/3/2004	Male	6			1		105		41	21		44009
N 6	12/3/2004	Male	8		1	1		107		44	21		44010
N 8	12/3/2004	Gravid female	8					78	140			40	44011
N 8	12/3/2004	Male	8					94	260	29	16		44012
N 8	12/3/2004	Male	6		2	1		78					44013
N 8	12/3/2004	Gravid female	1					77	125			48	44014
N 9	12/3/2004	Male	1			1		97		30	15		44015
N 9	12/3/2004	Male	1					84	200	30	16		44016
N 106	12/4/2004	Gravid female	1					80	140			52	44017
N 109	12/5/2004	Male	8					89		32	17		44018
N 109	12/5/2004	Male	1					99	300	35	19		44019
N 109	12/5/2004	Female	6			1		92				61	44020
N 109	12/5/2004	Male	6					121	590	47	25		44021
N 15	12/4/2004	Male	6					89	225	31	15		44022
N 15	12/4/2004	Spent female	1					77	125			49	44023
N 15	12/4/2004	Male	1					80	150	22	11		44024
N 15	12/4/2004	Male	1					88	205	26	13		44025
N 15	12/4/2004	Male	2					105	370	40	21		44026
N 15	12/4/2004	Male	1					87	205	30	15		44027
N 15	12/4/2004	Male	1			2		110		42	20		44028
N 15	12/4/2004	Male	6					130	720	54	27		44029
N 15	12/4/2004	Spent female	6					86	180			55	44030
N 15	12/4/2004	Spent female	6					92	230			57	44031
N 15	12/4/2004	Male	8					95	260	34	17		44032
N 15	12/4/2004	Male	6		1			88					44033
N 15	12/4/2004	Male	1			1		101		36	19		44034
N 15	12/4/2004	Gravid female	6			1		90				58	44035
N 15	12/4/2004	Gravid female	6	2				79	130			50	44036
N 15	12/4/2004	Male	6			1		125		49	26		44037
N 15	12/4/2004	Male	6			1		120		48	26		44038

Table 4. (Cont'd)

Set #	Date	Biological Information										Tag Number
		Sex	Shell Condition	Injury Code	Missing Claw	Missing Legs	Observation Code	Shell Width	Weight (g)	Male Claw Length	Male Claw Width	Female Abdominal	
N 15	12/4/2004	Male	8			2		86		30	15		44039
N 15	12/4/2004	Male	6			1		86		33	16		44040
N 15	12/4/2004	Gravid female	1					77	125			46	44041
N 15	12/4/2004	Gravid female	6					85	155			54	44042
N 15	12/4/2004	Gravid female	6					76	130			49	44043
N 15	12/4/2004	Male	1					75		130			44044
N 15	12/4/2004	Spent female	6					82	145			52	44045
N 15	12/4/2004	Male	1			1		98		37	17		44046
N 15	12/4/2004	Male	8			1		95		34	17		44047
N 15	12/4/2004	Male	1					96	280	34	18		44048
N 15	12/4/2004	Male	6					104	365	40	20		44049
N 6	12/3/2004	Male	8	5				94	265	34	18		44050
N 15	12/4/2004	Spent female	6		1			82				50	44051
N 15	12/4/2004	Male	2			2		96		37	18		44052
N 15	12/4/2004	Male	1		1	1		85		25	12		44053
N 14	12/4/2004	Male	6					120	565	48	24		44054
N 14	12/4/2004	Male	6					110	470	45	23		44055
N 14	12/4/2004	Male	6			1		92		32	16		44056
N 14	12/4/2004	Male	6					93	260	36	17		44057
N 14	12/4/2004	F emale	1			1		79				37	44058
N 14	12/4/2004	Male	6			1		104		39	20		44059
N 14	12/4/2004	Male	8					100	360	37	19		44060
N 14	12/4/2004	Male	1					104	355	39	21		44061
N 14	12/4/2004	Male	6			2		74					44062
N 14	12/4/2004	Male	8			1		86		31	15		44063
N 14	12/4/2004	Gravid female	6			1		81				53	44064
N 14	12/4/2004	Spent female	8			1		80				53	44065
N 14	12/4/2004	Gravid female	1					79	150			51	44066
N 14	12/4/2004	Spent female	6		1	2		81				55	44067
N 14	12/4/2004	Gravid female	6					80	145			51	44068
N 14	12/4/2004	Male	6					109	445	42	21		44069
N 14	12/4/2004	Male	6					89	225	32	16		44070
N 14	12/4/2004	Male	1			1		107		39	21		44071
N 14	12/4/2004	Male	6					104	360	40	19		44072
N 14	12/4/2004	Spent female	6					79	135			50	44073
N 14	12/4/2004	Male	6					107	420	42	20		44074
N 14	12/4/2004	Male	6					108	400	41	22		44075
N 14	12/4/2004	Spent female	8					82	150			52	44076
N 14	12/4/2004	Male	2	5	1	1		98		39	18		44077
N 14	12/4/2004	Male	6					92	255	34	16		44078
N 14	12/4/2004	Spent female	6					92	200			55	44079
N 14	12/4/2004	Male	6		1			93		29	12		44080
N 14	12/4/2004	Gravid female	6					91	215			60	44081
N 14	12/4/2004	Male	6					128	700	52	26		44082
N 14	12/4/2004	Male	6					113	485	46	22		44083
N 14	12/4/2004	Male	6					93	240	32	16		44084
N 13	12/4/2004	Male	6		1			106		39	20		44085
N 13	12/4/2004	Male	1					100	310	36	19		44086
N 13	12/4/2004	Male	6			1		99		35	18		44087
N 13	12/4/2004	Spent female	6					89	185			57	44088
N 13	12/4/2004	Male	1			1		98		36	19		44089
N 13	12/4/2004	Male	6			1		96		36	18		44090
N 13	12/4/2004	Male	1					80	155	24	11		44091
N 12	12/4/2004	Male	1					84	175	25	13		44092

Table 4. (Cont'd)

Set #	Date	Biological Information										Tag Number
		Sex	Shell Condition	Injury Code	Missing Claw	Missing Legs	Observation Code	Shell Width	Weight (g)	Male Claw Length	Male Claw Width	Female Abdominal
N 12	12/4/2004	Male	1		1	2		103				44093
N 12	12/4/2004	Male	1					88	210	30	14	44094
N 12	12/4/2004	Male	8					88	205	29	16	44095
N 12	12/4/2004	Male	8	4				79	145			44096
N 12	12/4/2004	Spent female	6					80	135			52 44097
N 12	12/4/2004	Male	6					113	495	45	23	44098
N 12	12/4/2004	Gravid female	1					85	170			52 44099
N 12	12/4/2004	Male	6					97	295	55	17	44100
N 12	12/4/2004	Male	6					85	210	29	14	44101
N 12	12/4/2004	Male	1					87	215	30	17	44102
N 12	12/4/2004	Male	6					110	460	44	21	44103
N 12	12/4/2004	Male	6					98	300	36	18	44104
N 12	12/4/2004	Male	1					80	155	23	11	44105
N 12	12/4/2004	Male	6					99	305	36	18	44106
N 11	12/4/2004	Male	1					84	200	30	16	44107
N 19	12/5/2004	Female	1					81	130			39 44108
N 19	12/5/2004	Gravid female	1					79	160			51 44109
N 19	12/5/2004	Female	1					74	125			34 44110
N 19	12/5/2004	Male	2			1		98		37	19	44111
N 19	12/5/2004	Gravid female	6					97	260			64 44112
N 20	12/5/2004	Male	8					91	210	31	16	44113
N 20	12/5/2004	Gravid female	8					82	145			51 44114
N 20	12/5/2004	Male	1			1		115		46	22	44115
N 20	12/5/2004	Male	2					85	155	26	12	44116
N 20	12/5/2004	Male	8			1		115		47	24	44117
N 20	12/5/2004	Male	6			2		97		37	20	44118
N 20	12/5/2004	Male	2					99	230	36	19	44119
N 18	12/5/2004	Male	6					113	440	43	23	44120
N 18	12/5/2004	Male	6			1		117		38	18	44121
N 18	12/5/2004	Male	8					105	370	40	20	44122
N 18	12/5/2004	Gravid female	6			1		80				51 44123
N 18	12/5/2004	Male	6					102	345	40	21	44124
N 18	12/5/2004	Male	6		1	4		93				44125
N 18	12/5/2004	Male	6		1	1		98				44126
N 18	12/5/2004	Male	6					91	255	32	15	44127
N 18	12/5/2004	Gravid female	8		1	1		80				50 44128
N 18	12/5/2004	Gravid female	7					78	155			50 44129
N 18	12/5/2004	Male	6					113	525	48	24	44130
N 18	12/5/2004	Gravid female	8		1	1		83				52 44131
N 18	12/5/2004	Gravid female	1					92	230			44132
N 18	12/5/2004	Gravid female	6					79	155			59 44133
N 17	12/5/2004	Gravid female	1			3		75				49 44134
N 17	12/5/2004	Female	3					67	85			31 44135
N 17	12/5/2004	Gravid female	8		1			81				54 44136
N 17	12/5/2004	Male	6			4		91		34	17	44137
N 17	12/5/2004	Male	1					99	310	39		44138
N 17	12/5/2004	Gravid female	1					78	135			51 44139
N 17	12/5/2004	Male	8					100	350	38	20	44140
N 17	12/5/2004	Male	1					99	305	38	19	44141
N 17	12/5/2004	Gravid female	1					76	135			48 44142
N 17	12/5/2004	Male	2			1		90		32	16	44143
N 17	12/5/2004	Male	1					71	60	22	11	44144
N 17	12/5/2004	Male	6					98	300	39	18	44145
N 25	12/6/2004	Gravid female	6		1	3		77				49 44146

Table 4. (Cont'd)

Set #	Date	Biological Information										Tag Number
		Sex	Shell Condition	Injury Code	Missing Claw	Missing Legs	Observation Code	Shell Width	Weight (g)	Male Claw Length	Male Claw Width	Female Abdominal	
N 23	12/6/2004	Male	1			1		75		28	14		44147
N 23	12/6/2004	Male	1			1		75		21	11		44148
N 22	12/6/2004	Gravid female	8					105	225			59	44149
N 22	12/6/2004	Gravid female	6					78	135			49	44150
N 113	12/8/2004	Male	8			2		89		21	12		44151
N 30	12/7/2004	Male	1					89	205	26	13		44152
N 30	12/7/2004	Male	6			2		100		39	20		44153
N 30	12/7/2004	Gravid female	1	5		2		84				55	44154
N 26	12/7/2004	Male	6					115	510	49	24		44155
N 26	12/7/2004	Male	6					97	280	38	17		44157
N 27	12/7/2004	Male	6					121	625	47	26		44158
N 27	12/7/2004	Male	6			1		119		48	26		44159
N 27	12/7/2004	Male	6					129	775	56	30		44160
N 27	12/7/2004	Male	6			2		107		42	23		44161
N 27	12/7/2004	Male	8			1		126		51	27		44162
N 27	12/7/2004	Male	8			3		123		52	26		44163
N 27	12/7/2004	Male	8			2		106		41	21		44164
N 27	12/7/2004	Male	8			1		118		46	24		44165
N 27	12/7/2004	Male	6			2		110		46	24		44166
N 27	12/7/2004	Male	8			1		115		46	24		44167
N 27	12/7/2004	Male	8			1		117		47	24		44168
N 27	12/7/2004	Male	6			2		122		50	25		44169
N 27	12/7/2004	Male	6					118	545	50	22		44170
N 29	12/7/2004	Male	6			2		120		48	26		44171
N 29	12/7/2004	Male	6					122	610	49	24		44172

Table 5. Set locations, dates, soak time, depths and presence of *C. bairdi*, Tanner crab trap survey, CCGS NEOCALIGUS, March 17 - 24, 2005.

Set #	Traps Sampled	Set Date	Set Time	Haul Date	Haul Time	Soak Time (h)	Depth (m) Min	Depth (m) Max	Start Lat	Start Long	Finish Lat	Finish Long	*C. bairdi*
N 1	10	3/17	12:00	3/18	7:20	19	68	74	51 35.46	127 34.15	51 35.25	127 34.24	Present
N 2	10	3/17	12:15	3/18	8:20	20	75	78	51 35.09	127 34.35	51 34.90	127 34.51	Present
N 3	9	3/17	12:30	3/18	10:30	22	79	84	51 33.84	127 35.65	51 33.72	127 35.81	Present
N 4	10	3/17	12:40	3/18	12:20	24	76	78	51 32.82	127 37.20	51 32.67	127 37.37	Present
N 5	10	3/17	12:55	3/18	12:55	24	68	71	51 31.71	127 38.11	51 31.56	127 38.36	Present
N 6	10	3/17	13:10	3/18	13:30	24	80	86	51 30.63	127 39.64	51 30.59	127 39.95	Present
N 7	10	3/18	9:45	3/19	7:15	22	98	104	51 34.37	127 33.99	51 34.52	127 33.86	Present
N 8	10	3/18	10:00	3/19	8:00	22	125	131	51 36.56	127 33.20	51 36.75	127 33.23	Present
N 9	10	3/18	15:50	3/19	9:15	17	147	158	51 42.10	127 31.41	51 42.14	127 31.72	Present
N 10	10	3/18	16:05	3/19	9:45	18	120	122	51 42.25	127 33.44	51 42.34	127 33.71	Present
N 11	10	3/18	16:15	3/19	10:30	18	142	151	51 41.58	127 33.95	51 41.46	127 33.71	Present
N 12	10	3/18	16:35	3/19	11:00	18	204	210	51 42.23	127 37.30	51 42.25	127 37.62	Present
N 13	10	3/19	12:30	3/20	8:15	20	142	152	51 39.37	127 21.39	51 39.31	127 21.12	Absent
N 14	10	3/19	12:50	3/20	8:45	20	117	120	51 40.05	127 19.15	51 40.13	127 18.91	Present
N 15	10	3/19	13:00	3/20	9:10	20	165	170	51 40.39	127 17.66	51 40.46	127 17.40	Present
N 16	10	3/19	13:15	3/20	10:00	21	117	119	51 40.31	127 16.57	51 40.55	127 16.43	Present
N 17	10	3/19	13:25	3/20	10:45	21	108	124	51 41.04	127 17.27	51 41.08	127 17.60	Present
N 18	10	3/19	13:45	3/20	11:15	22	150	158	51 40.94	127 17.80	51 40.89	127 17.52	Present
N 19	10	3/20	12:45	3/21	8:20	20	65	68	51 35.50	127 34.12	51 35.25	127 34.24	Present
N 20	10	3/20	12:50	3/21	9:10	20	74	80	51 35.09	127 34.35	51 34.89	127 34.48	Present
N 21	10	3/20	13:10	3/21	10:10	21	80	90	51 33.84	127 35.65	51 33.72	127 35.81	Present
N 22	10	3/20	13:15	3/21	11:00	22	70	70	51 33.52	127 36.26	51 33.39	127 36.44	Present
N 23	10	3/20	13:20	3/21	12:00	23	68	74	51 32.82	127 37.20	51 32.67	127 37.37	Present
N 24	10	3/20	13:40	3/21	12:35	23	87	90	51 30.59	127 39.95	51 30.63	127 39.64	Present
N 25	9	3/21	14:25	3/22	7:20	17	100	127	51 40.05	127 19.15	51 40.13	127 18.91	Present
N 26	10	3/21	14:30	3/22	7:45	17	120	127	51 40.16	127 18.47	51 40.18	127 18.12	Present
N 27	10	3/21	14:40	3/22	8:25	18	160	165	51 40.39	127 17.66	51 40.46	127 17.40	Present
N 28	10	3/21	14:45	3/22	8:50	18	150	160	51 40.71	127 17.44	51 40.72	127 17.06	Present
N 29	10	3/21	14:55	3/22	9:30	19	148	150	51 40.89	127 17.52	51 40.94	127 17.80	Present
N 30	10	3/21	15:00	3/22	10:00	19	117	120	51 41.08	127 17.60	51 41.04	127 17.27	Present
N 31	10	3/22	12:45	3/23	12:25	24	117	122	51 26.56	127 27.81	51 26.54	127 27.53	Present
N 32	10	3/22	13:00	3/23	11:15	22	122	122	51 25.04	127 28.32	51 24.88	127 28.53	Present
N 33	10	3/22	13:40	3/23	10:25	21	142	148	51 26.25	127 22.71	51 26.23	127 22.39	Present
N 34	8	3/22	13:50	3/23	7:30	18	130	140	51 26.03	127 19.62	51 26.01	127 19.37	Present
N 35	10	3/22	14:00	3/23	8:25	18	116	120	51 26.21	127 19.35	51 26.24	127 19.60	Present
N 36	10	3/22	14:05	3/23	9:30	19	82	90	51 26.28	127 19.22	51 26.15	127 18.93	Present
N 37	10	3/23	13:00	3/24	8:35	20	117	120	51 28.23	127 34.67	51 28.13	127 34.96	Absent
N 38	10	3/23	13:10	3/24	9:00	20	200	207	51 27.72	127 37.51	51 27.51	127 37.73	Absent
N 39	10	3/23	13:30	3/24	9:30	20	120	122	51 26.76	127 39.87	51 26.73	127 40.21	Absent
N 40	10	3/23	13:45	3/24	7:55	18	154	160	51 25.69	127 38.31	51 25.64	127 38.68	Absent
N 41	10	3/23	13:50	3/24	7:30	18	154	160	51 25.53	127 39.08	51 25.33	127 39.36	Present
N 42	10	3/23	14:05	3/24	7:00	17	76	76	51 24.04	127 39.08	51 23.86	127 39.50	Absent

Table 6. Biological information and tag numbers for C. bairdi by set number, Tanner crab trap survey, CCGS NEOCALIGUS, March 17 - 24, 2005.

Set #	Date	Biological Information										Tag Number
		Sex	Shell Condition	Injury Code	Missing Claw	Missing Legs	Observation Code	Shell Width	Weight (g)	Male Claw Length	Male Claw Width	Female Abdominal	
N 20	3/20/2005	Male	6			3		120		47	22		
N 21	3/20/2005	Male	1					111	425	44	23		
N 21	3/20/2005	Male	1					111	415	45	22		
N 21	3/20/2005	Male	1			1		120		51	26		
N 20	3/20/2005	Male	6			2		98		39	20		
N 20	3/20/2005	Male	6			2		122		55	27		
N 9	3/18/2005	Male	8					98	285	38	19		
N 20	3/20/2005	Male	6			1		123		53	26		
N 21	3/20/2005	Male	6					101	340	42	21		
N 20	3/20/2005	Male	6					127	670	50	25		
N 20	3/20/2005	Male	6			2		137		62	32		
N 20	3/20/2005	Male	8					125	685	55	29		
N 20	3/20/2005	Male	6			2		110		45	23		
N 20	3/20/2005	Male	6			2		108		45	22		
N 20	3/20/2005	Male	6			1		126		55	28		
N 21	3/20/2005	Male	1					113	455	47	22		
N 35	3/22/2005	Male	6					115	500	48	23		
N 35	3/22/2005	Male	8			1		87		32	15		
N 35	3/22/2005	Male	6					108	410	45	23		
N 35	3/22/2005	Male	6					112	445	45	22		
N 35	3/22/2005	Male	6					114	495	48	23		
N 35	3/22/2005	Spent female	6					80	150			52	
N 35	3/22/2005	Male	6					107	405	46	23		
N 21	3/20/2005	Male	1					124	630	56	28		
N 35	3/22/2005	Male	8					98	315	39	18		
N 21	3/20/2005	Male	1					134	850	58	30		
N 35	3/22/2005	Male	6					102	350	42	20		
N 34	3/22/2005	Female	6			1		73				45	
N 35	3/22/2005	Spent female	6					86	160			53	
N 20	3/20/2005	Male	6			1		118		51	25		
N 22	3/20/2005	Male	6	5				123		50	24		
N 20	3/20/2005	Male	6		1	1		113					
N 35	3/22/2005	Male	6					98	315	39	19		
N 10	3/18/2005	Male	1					96	265	36	18		
N 20	3/20/2005	Male	6			2		116		42	20		
N 21	3/20/2005	Male	1			1		123		52	25		
N 21	3/20/2005	Male	8		1			126		57	29		
N 21	3/20/2005	Male	6					117	530	50	26		
N 21	3/20/2005	Male	8		1			113					
N 21	3/20/2005	Male	8					113	430	46	24		
N 21	3/20/2005	Male	8					115	510	48	24		
N 20	3/20/2005	Male	6					98	350	38	19		
N 21	3/20/2005	Male	1					128	665	52	28		
N 10	3/18/2005	Male	8					92	230	32	16		
N 9	3/18/2005	Male	1					104	320	38	19		
N 9	3/18/2005	Male	6			1		83		30	15		
N 9	3/18/2005	Male	1					93	250	37	18		
N 9	3/18/2005	Male	8			2		92		32	18		
N 35	3/22/2005	Male	6			2		90		35	18		
N 7	3/18/2005	Male	8					89	205	32	16		
N 21	3/20/2005	Male	1					119	515	49	25		
N 35	3/22/2005	Male	1			2		109		44	21		
N 20	3/20/2005	Male	6					123	610	52	25		
N 21	3/20/2005	Male	8					125	635	53	27		

Table 6. (Cont'd)

Set #	Date	Biological Information										Tag Number
		Sex	Shell Condition	Injury Code	Missing Claw	Missing Legs	Observation Code	Shell Width	Weight (g)	Male Claw Length	Male Claw Width	Female Abdominal	
N 24	3/20/2005	Male	1					84	195	32	15		
N 22	3/20/2005	Male	1		1			98		30	15		
N 21	3/20/2005	Male	6			3		115		45	23		
N 21	3/20/2005	Male	1					130	700	56	28		
N 21	3/20/2005	Male	8					130	710	56	28		
N 20	3/20/2005	Male	6			1		109		43	21		
N 21	3/20/2005	Male	1		1			134					
N 21	3/20/2005	Male	6			4		134		62	30		
N 21	3/20/2005	Male	8			1		128	640	56	28		
N 21	3/20/2005	Male	1					127	695	56	27		
N 21	3/20/2005	Male	6			1		135		57	27		
N 20	3/20/2005	Male	6	5				113		47	23		
N 21	3/20/2005	Male	1					116	515	48	25		
N 36	3/22/2005	Male	1					105	340	42	20		
N 35	3/22/2005	Male	6			1		119		47	24		
N 36	3/22/2005	Male	1					100	320	39	19		
N 36	3/22/2005	Male	6					96	280	35	19		
N 36	3/22/2005	Male	1			2		100		41	19		
N 35	3/22/2005	Spent female	8					81	140			50	
N 36	3/22/2005	Male	1			2		88		31	15		
N 36	3/22/2005	Male	1	4		1		85		32	15		
N 36	3/22/2005	Male	8					95	265	35	17		
N 36	3/22/2005	Spent female	6					80				52	
N 36	3/22/2005	Male	8					107	365	41	21		
N 36	3/22/2005	Male	1					84	180	30	15		
N 36	3/22/2005	Spent female	6			1		76				45	
N 36	3/22/2005	Male	8					121	605	46	22		
N 36	3/22/2005	Male	8					110	470	46	23		
N 35	3/22/2005	Male	1					84	170	25	12		
N 36	3/22/2005	Male	1					92	240	34	17		
N 36	3/22/2005	Male	6					104	370	42	20		
N 35	3/22/2005	Male	6	5		1	3	93		35	18		
N 35	3/22/2005	Male	6			2		117		49	26		
N 26	3/21/2005	Male	1					98	295	39	19		
N 35	3/22/2005	Spent female	6					80	130			51	
N 35	3/22/2005	Spent female	6					83	150			54	
N 35	3/22/2005	Male	8			2		113		46	23		
N 36	3/22/2005	Male	8					111	420	46	22		
N 36	3/22/2005	Male	6					113	475	44	22		
N 35	3/22/2005	Male	1					90	230	34	16		
N 36	3/22/2005	Male	6			1		106		42	21		
N 36	3/22/2005	Male	1					98	290	37	19		
N 36	3/22/2005	Male	8					113	460	46	22		
N 36	3/22/2005	Male	8		1	1		119					
N 36	3/22/2005	Male	1		1			100		38	20		
N 36	3/22/2005	Male	6					122	645	54	27		
N 35	3/22/2005	Male	1					109	415	44	21		
N 35	3/22/2005	Female	6			1		80				51	
N 36	3/22/2005	Male	8			1		113	485	47	23		
N 35	3/22/2005	Male	1					100	325	39	19		
N 34	3/22/2005	Male	1					108		44	22		
N 34	3/22/2005	Male	8					93	245	35	16		
N 35	3/22/2005	Male	8					100	320	41	20		

Table 6. (Cont'd)

Set #	Date	Biological Information										Tag Number
		Sex	Shell Condition	Injury Code	Missing Claw	Missing Legs	Observation Code	Shell Width	Weight (g)	Male Claw Length	Male Claw Width	Female Abdominal	
N 35	3/22/2005	Male	1			1		114		45	25		
N 35	3/22/2005	Male	6					116	515	48	23		
N 35	3/22/2005	Female	6			1		81				52	
N 36	3/22/2005	Male	6					112	470	45	23		
N 35	3/22/2005	Male	6			1		109		43	21		
N 35	3/22/2005	Male	6					112	455	45	24		
N 35	3/22/2005	Male	6					133	795	54	27		
N 35	3/22/2005	Male	6					105	390	43	20		
N 35	3/22/2005	Male	6					124	615	48	25		
N 8	3/18/2005	Male	1					82	155	25	12		
N 35	3/22/2005	Male	8					109	395	41	21		
N 35	3/22/2005	Male	8					108	400	46	23		
N 35	3/22/2005	Male	6					118	570	48	24		
N 35	3/22/2005	Female	6					93	220			60	
N 35	3/22/2005	Male	6					100	335	38	19		
N 35	3/22/2005	Male	1					105	375	42	21		
N 35	3/22/2005	Male	1			1		123		51	27		
N 35	3/22/2005	Female	1					79	135			50	
N 35	3/22/2005	Male	1			1		103		41	20		
N 35	3/22/2005	Female	6			1		92				58	
N 35	3/22/2005	Male	1			1		105		41	20		
N 35	3/22/2005	Male	6			1		119		50	25		
N 35	3/22/2005	Male	6			2		117		52	25		
N 35	3/22/2005	Male	6					100	330	41	19		
N 35	3/22/2005	Female	6					94	220			59	
N 35	3/22/2005	Female	6	5				77				47	
N 35	3/22/2005	Male	6					108	400	43	22		
N 35	3/22/2005	Female	6					82	145			49	
N 24	3/20/2005	Male	1			1		88		33	16		
N 29	3/21/2005	Male	1					104	350				
N 31	3/22/2005	Spent female	6		2			75				47	
N 24	3/20/2005	Male	1					104	325	40	20		
N 24	3/20/2005	Male	1					93	257	34	16		
N 24	3/20/2005	Male	2					102	345	39	20		
N 9	3/18/2005	Gravid female	6			1		78				47	
N 41	3/23/2005	Male	1					103	330	39	19		
N 29	3/21/2005	Male	8			2		98		38	19		
N 24	3/20/2005	Male	1					103	320	34	15		
N 24	3/20/2005	Male	1					94	260	37	18		
N 24	3/20/2005	Male	2		1			104		45	22		
N 24	3/20/2005	Male	1					95	260	38	17		
N 24	3/20/2005	Male	8					113	450	45	23		
N 27	3/21/2005	Gravid female	1					82	145			53	
N 24	3/20/2005	Male	1		1	1		81		25	12		
N 27	3/21/2005	Male	1		1	1		126		55	27		
N 32	3/22/2005	Male	6					103	320	38	19		
N 32	3/22/2005	Male	6					116	560	51	24		
N 31	3/22/2005	Male	1			1		120		48	25		
N 31	3/22/2005	Male	1					96	270	36	18		
N 31	3/22/2005	Male	1	4		2		92					
N 31	3/22/2005	Male	1			1		101		40	21		
N 29	3/21/2005	Gravid female	6			1		86				54	
N 30	3/21/2005	Male	1					96	250	37	18		
N 29	3/21/2005	Male	1					101	300	39	19		
N 30	3/21/2005	Male	1					95	275	36	19		

Table 6. (Cont'd)

Set #	Date	Biological Information										Tag Number
		Sex	Shell Condition	Injury Code	Missing Claw	Missing Legs	Observation Code	Shell Width	Weight (g)	Male Claw Length	Male Claw Width	Female Abdominal
N 30	3/21/2005	Male	1					104	355	39	19	
N 30	3/21/2005	Male	1			1		83		30	15	
N 30	3/21/2005	Male	1					86	185	25	12	
N 30	3/21/2005	Male	1					101	320	38	19	
N 24	3/20/2005	Male	1					104	360	43	22	
N 29	3/21/2005	Male	1					91	220	34	17	
N 24	3/20/2005	Male	1		1	2		80				
N 24	3/20/2005	Male	1					108	380	41	20	
N 26	3/21/2005	Male	1			1		118		50	24	
N 26	3/21/2005	Male	2					108	380	42	20	
N 24	3/20/2005	Male	1		1			115		49	24	
N 26	3/21/2005	Male	8					97	270	35	18	
N 24	3/20/2005	Male	1					99	335	40	19	
N 26	3/21/2005	Male	1					97	285	38	18	
N 25	3/21/2005	Male	1					100	315	40	20	
N 26	3/21/2005	Male	1					98	275	36	18	
N 24	3/20/2005	Male	1					117	495	47	23	
N 24	3/20/2005	Male	1					90	220	34	17	
N 24	3/20/2005	Male	1					112	425	46	23	
N 24	3/20/2005	Male	2					107	385	47	22	
N 24	3/20/2005	Male	1			2		96		37	18	
N 32	3/22/2005	Male	1					99		40	20	
N 25	3/21/2005	Male	1					115	480	45	23	
N 24	3/20/2005	Male	1					90	210	33	16	
N 32	3/22/2005	Male	8					113	460	45	23	
N 23	3/20/2005	Male	1					110	400	36	17	
N 23	3/20/2005	Male	1					104		40	19	
N 23	3/20/2005	Male	2					109	355	35	16	
N 23	3/20/2005	Male	1					109	415	42	21	
N 22	3/20/2005	Male	1					136	795	59	30	
N 26	3/21/2005	Male	8	5		1		93		35	18	
N 22	3/20/2005	Male	8					108	405	45	23	
N 24	3/20/2005	Male	1					112	450	47	24	
N 26	3/21/2005	Male	6					94	245	36	16	
N 27	3/21/2005	Male	1					102	310	37	19	
N 27	3/21/2005	Male	6					107	385	42	21	
N 26	3/21/2005	Male	8					101	330	41	20	
N 26	3/21/2005	Male	6					99	310	39	20	
N 26	3/21/2005	Male	8			1		95		38	18	
N 22	3/20/2005	Male	1					117	505	50	24	
N 10	3/18/2005	Male	1					90	235	34	17	
N 11	3/18/2005	Male	1					108	450	46	24	
N 20	3/20/2005	Male	6					103	355	40	20	
N 20	3/20/2005	Male	6			1		113		50	26	
N 20	3/20/2005	Male	6					113	430	44	21	
N 20	3/20/2005	Male	7		1			114		46	23	
N 20	3/20/2005	Male	8					125	660	57	28	
N 20	3/20/2005	Male	6			1		111		48	24	
N 20	3/20/2005	Male	6		1			123				
N 22	3/20/2005	Male	1			1		118		49	24	
N 19	3/20/2005	Male	6					109		46	22	
N 20	3/20/2005	Male	6			1		114		51	25	
N 19	3/20/2005	Male	2					115	480	46	24	
N 19	3/20/2005	Male	6					113	475	48	23	
N 14	3/19/2005	Female	1					70	95			33

Table 6. (Cont'd)

Set #	Date	Biological Information											Tag Number
		Sex	Shell Condition	Injury Code	Missing Claw	Missing Legs	Observation Code	Shell Width	Weight (g)	Male Claw Length	Male Claw Width	Female Abdominal	
N 32	3/22/2005	Male	6					107					
N 20	3/20/2005	Male	6		1	1		103		43	22		
N 5	3/17/2005	Male	1		1			101		39	19		
N 10	3/18/2005	Male	1			2		116		48	23		
N 8	3/18/2005	Gravid female	1					81	150			52	
N 10	3/18/2005	Male	6			2		90		33	15		
N 7	3/18/2005	Male	1					83	165	30	15		
N 7	3/18/2005	Male	8					108	385	40	20		
N 7	3/18/2005	Male	1					91	170	25	12		
N 20	3/20/2005	Male	6			1		114		49	24		
N 5	3/17/2005	Male	2		1			101					
N 11	3/18/2005	Male	1					104	370 42	20			
N 5	3/17/2005	Male	2		1			100		36	18		
N 5	3/17/2005	Male	2	5		1		85		34	17		
N 5	3/17/2005	Male	2					101	310	39	20		
N 5	3/17/2005	Male	1					94	220	28	14		
N 8	3/18/2005	Male	2			1		123		50	24		
N 19	3/20/2005	Male	1					119	535	52	25		
N 6	3/17/2005	Male	6		2	1		95					
N 27	3/21/2005	Male	1					108	455	48	24		
N 12	3/18/2005	Male	1					66	150	28	14		
N 28	3/21/2005	Male	6			2		113		47	24		
N 28	3/21/2005	Male	8					96	280	36	17		
N 28	3/21/2005	Male	1					105	365	40	20		
N 28	3/21/2005	Male	1					103	355	40	21		
N 28	3/21/2005	Male	1					110	435	44	26		
N 28	3/21/2005	Male	1					103	335	40	20		
N 27	3/21/2005	Male	8					100	320	40	20		
N 29	3/21/2005	Male	1			1		100		37	19		
N 27	3/21/2005	Male	8					128	700	56	28		
N 22	3/20/2005	Male	1					100	490	50	24		
N 28	3/21/2005	Male	8					98	285	35	17		
N 30	3/21/2005	Male	1	5				95		29	14		
N 32	3/22/2005	Male	1					104	350	40	20		
N 35	3/22/2005	Spent female	6					93	200			58	
N 27	3/21/2005	Gravid female	6			2		72				45	
N 28	3/21/2005	Male	6			1		101		41	21		
N 11	3/18/2005	Male	2		1	1		122		51	24		
N 10	3/18/2005	Male	1					79		22	11		
N 10	3/18/2005	Male	1					76	125	21	11		
N 20	3/20/2005	Male	6			1		111		46	23		
N 28	3/21/2005	Male	8					112	465	44	23		
N 27	3/21/2005	Male	8					100	320	37	20		
N 29	3/21/2005	Male	1					100	310	36	19		
N 28	3/21/2005	Male	6					99	285	39	19		
N 32	3/22/2005	Male	6					110		44	22		
N 28	3/21/2005	Male	1					99	295	37	18		
N 28	3/21/2005	Male	8					100	310	41	19		
N 28	3/21/2005	Male	1			3		99		37	18		
N 28	3/21/2005	Male	1					104	365	40	20		
N 28	3/21/2005	Male	1					91	250	34	17		
N 28	3/21/2005	Male	1			2		120		50	25		
N 28	3/21/2005	Male	1					104		340	38	18	
N 34	3/22/2005	Male	1					83	175	30	15		
N 34	3/22/2005	Male	6			1		102		40	20		

Table 6. (Cont'd)

Set #	Date	Biological Information										Tag Number
		Sex	Shell Condition	Injury Code	Missing Claw	Missing Legs	Observation Code	Shell Width	Weight (g)	Male Claw Length	Male Claw Width	Female Abdominal
N 34	3/22/2005	Male	1					100	320	41	21	
N 34	3/22/2005	Male	1					115	465	46	23	
N 34	3/22/2005	Male	1					108	385	43	20	
N 34	3/22/2005	Male	1		1			101				
N 34	3/22/2005	Male	1	5		1		114		47	22	
N 34	3/22/2005	Male	1					103	345	41	20	
N 34	3/22/2005	Male	1					106	395	43	22	
N 34	3/22/2005	Male	6			1		128		56	28	
N 34	3/22/2005	Male	6					115	515	50	24	
N 34	3/22/2005	Male	1					96	285	37	19	
N 32	3/22/2005	Male	6					103	375	42	20	
N 34	3/22/2005	Male	1					98	285	36	18	
N 34	3/22/2005	Male	1			2		109		43	21	
N 34	3/22/2005	Female	8					86	170			54
N 33	3/22/2005	Male	1					95	245	34	16	
N 32	3/22/2005	Male	6					113	490	47	24	
N 32	3/22/2005	Male	6			3		107		42	20	
N 32	3/22/2005	Male	6			1		115		48	24	
N 32	3/22/2005	Male	6			2		96		37	18	
N 32	3/22/2005	Male	1			1		92		34	18	
N 32	3/22/2005	Male	8					87	205	31	16	
N 32	3/22/2005	Male	1			1		79		30	15	
N 32	3/22/2005	Male	8			1		117		50	23	
N 32	3/22/2005	Male	8					96	295	37	19	
N 34	3/22/2005	Male	1					101	290	40	19	
N 34	3/22/2005	Male	8					97	270	37	18	
N 33	3/22/2005	Male	6			2		119		50	24	
N 33	3/22/2005	Male	1		1	1						
N 33	3/22/2005	Male	8			1		93		34	16	
N 33	3/22/2005	Male	1					107	380	41	20	
N 33	3/22/2005	Male	1			1		104		39	19	
N 33	3/22/2005	Male	1			1		114		47	24	
N 33	3/22/2005	Male	1			1		107		43	22	
N 33	3/22/2005	Male	1					99	305	37	19	
N 33	3/22/2005	Male	1					95	265	37	18	
N 33	3/22/2005	Male	1			1		99		36	18	
N 33	3/22/2005	Male	1			1		103		43	21	
N 34	3/22/2005	Male	1			1		105		41	21	
N 33	3/22/2005	Male	8					106	395	42	21	
N 34	3/22/2005	Male	8			1		100		41	19	
N 33	3/22/2005	Male	1					89	215	32	17	
N 33	3/22/2005	Male	1			2		95		37	19	
N 33	3/22/2005	Male	1					96	265	29	14	
N 35	3/22/2005	Gravid female	1			2		84				55
N 34	3/22/2005	Male	1					79	165	29	14	
N 33	3/22/2005	Male	8					96	270	35	17	
N 33	3/22/2005	Gravid female	6					86	175			53
N 34	3/22/2005	Male	1					92	260	37	18	
N 34	3/22/2005	Male	1			1		117		47	23	
N 34	3/22/2005	Female	6					88	175			56
N 34	3/22/2005	Male	1	5	1	1		81		30	16	
N 34	3/22/2005	Male	1					116	505	47	24	
N 33	3/22/2005	Male	1					105	370	43	21	
N 24	3/20/2005	Male	1			1		97		38	18	
N 32	3/22/2005	Male	8			1		110		46	22	

Table 6. (Cont'd)

Set #	Date	Biological Information										Tag Number
		Sex	Shell Condition	Injury Code	Missing Claw	Missing Legs	Observation Code	Shell Width	Weight (g)	Male Claw Length	Male Claw Width	Female Abdominal	
N 32	3/22/2005	Male	1					103	310	38	18		
N 32	3/22/2005	Spent female	6		1			88				55	
N 32	3/22/2005	Male	6					108	415	46	21		
N 32	3/22/2005	Male	1			1		97		38	20		
N 32	3/22/2005	Male	6			2		101		39	20		
N 32	3/22/2005	Male	1					87	215	33	16		
N 32	3/22/2005	Spent female	1	4				76				50	
N 32	3/22/2005	Male	8					113	450	47	24		
N 34	3/22/2005	Male	1					101	340	39	21		
N 33	3/22/2005	Male	1					100	305	38	18		
N 32	3/22/2005	Male	8					104	340	40	20		
N 32	3/22/2005	Male	1					91	235	36	17		
N 35	3/22/2005	Male	6			1		120		50	25		
N 32	3/22/2005	Male	8					82	180	30	15		
N 36	3/22/2005	Male	6			2		102		38	18		
N 32	3/22/2005	Male	8					103	340	38	20		
N 36	3/22/2005	Male	6					124	630	53	27		
N 36	3/22/2005	Male	6			2		102		41	20		
N 36	3/22/2005	Male	6					97	290	37	18		
N 36	3/22/2005	Spent female	6					80	130			50	
N 36	3/22/2005	Male	6			1		118		50	25		
N 36	3/22/2005	Male	1			1		111		47	23		
N 36	3/22/2005	Male	6					111	420	43	21		
N 35	3/22/2005	Male	1					80	150	24	11		
N 35	3/22/2005	Male	8			1		92		34	16		
N 36	3/22/2005	Male	8			1		112		48	23		
N 35	3/22/2005	Female	7					87	160				
N 32	3/22/2005	Male	1					90	240	35	18		
N 32	3/22/2005	Spent female	8					78	125			51	
N 32	3/22/2005	Spent female	6					90	205			58	
N 32	3/22/2005	Male	6					103	360	40	19		
N 32	3/22/2005	Male	1					104	370	40	21		
N 32	3/22/2005	Male	6					105	380	45	22		
N 32	3/22/2005	Male	1			1		108		45	23		
N 32	3/22/2005	Male	1					95	265	37	17		
N 32	3/22/2005	Male	6					116	510	46	23		
N 32	3/22/2005	Male	6					111	475	41	19		
N 32	3/22/2005	Male	6					122	610	53	25		
N 32	3/22/2005	Male	1					87	210	34	17		
N 32	3/22/2005	Male	1			2		93		38	19		
N 32	3/22/2005	Male	6					115	515	50	25		
N 32	3/22/2005	Male	1					94	250	35	16		
N 32	3/22/2005	Male	6		1			99		36	18		
N 32	3/22/2005	Male	8			1		118		52	26		
N 32	3/22/2005	Male	6					136	825	60	29		
N 32	3/22/2005	Spent female	6			1		79				52	
N 32	3/22/2005	Male	1			1		98		38	19		
N 35	3/22/2005	Male	8			1		124		52	25		
N 34	3/22/2005	Male	1					95	280	37	18		
N 32	3/22/2005	Male	1					90	215	35	17		
N 32	3/22/2005	Male	8			1		112		44	21		
N 32	3/22/2005	Male	8					113	485	47	22		
N 32	3/22/2005	Spent female	1					77	115			46	
N 32	3/22/2005	Male	1					99	320	40	20		
N 15	3/19/2005	Male	8					108	400	44	21		43102

Table 6. (Cont'd)

Set #	Date	Biological Information										Tag Number
		Sex	Shell Condition	Injury Code	Missing Claw	Missing Legs	Observation Code	Shell Width	Weight (g)	Male Claw Length	Male Claw Width	Female Abdominal	
N 36	3/22/2005	Male	6					108	410	44	21		43362
N 5	3/17/2005	Male	6			1		108		46	20		43408
N 35	3/22/2005	Male	6		1			130		54	27		43471
N 20	3/20/2005	Male	6					121	620	53	27		43655
N 2	3/17/2005	Male	8					122	620	54	29		43660
N 34	3/22/2005	Male	1			2		111		43	21		44028
N 15	3/19/2005	Male	8					101	330	40	21		44140
N 1	3/17/2005	Male	1			2		125		54	27		44173
N 1	3/17/2005	Male	8					125	655	54	28		44201
N 1	3/17/2005	Male	6					123	625	56	27		44202
N 1	3/17/2005	Male	1					126	620	53	26		44203
N 1	3/17/2005	Male	8					115	500	45	23		44204
N 1	3/17/2005	Male	6					125	705	59	28		44205
N 1	3/17/2005	Male	8					121					44206
N 1	3/17/2005	Male	8			2		130		60	28		44207
N 2	3/17/2005	Male	6					114		46	23		44208
N 2	3/17/2005	Male	8					118	515	48	26		44209
N 2	3/17/2005	Male	8					113	490	50	24		44210
N 2	3/17/2005	Male	8			1		104		45	22		44211
N 2	3/17/2005	Male	8			2		136		61	32		44212
N 2	3/17/2005	Male	8			1		135		56	28		44213
N 2	3/17/2005	Male	8			2		120		52	27		44214
N 2	3/17/2005	Male	8			1		110		39	18		44216
N 2	3/17/2005	Male	6			2		99		39	20		44217
N 2	3/17/2005	Male	8					97		36	19		44218
N 2	3/17/2005	Male	6			1		117		49	24		44219
N 2	3/17/2005	Male	6			1		106		43	22		44220
N 2	3/17/2005	Male	6			1		102		40	19		44221
N 2	3/17/2005	Male	6		1	1		109					44222
N 2	3/17/2005	Male	6			2		100		42	20		44223
N 2	3/17/2005	Male	8					124	600	52	25		44224
N 2	3/17/2005	Male	8					120	545	50	25		44225
N 2	3/17/2005	Male	8			1		123		54	26		44226
N 2	3/17/2005	Male	8			1		107		45	23		44227
N 2	3/17/2005	Male	8					113	495	48	24		44228
N 2	3/17/2005	Male	6			3		120		46	27		44229
N 2	3/17/2005	Male	8			1		126		56	27		44230
N 2	3/17/2005	Male	1					137	770	57	29		44232
N 2	3/17/2005	Male	8		1	1		94		36	17		44233
N 2	3/17/2005	Male	6			1		109		44	22		44234
N 2	3/17/2005	Male	6			2		101		40	19		44235
N 2	3/17/2005	Male	6			1		111		45	23		44236
N 2	3/17/2005	Male	8			1		113		47	22		44237
N 2	3/17/2005	Male	6			2		120		51	24		44238
N 2	3/17/2005	Male	6		1	2		115		50	25		44239
N 2	3/17/2005	Male	6			1		102		42	21		44240
N 2	3/17/2005	Male	6			2		105		42	21		44241
N 2	3/17/2005	Male	8		1	2		122		51	25		44242
N 2	3/17/2005	Male	8			1		124		54	28		44243
N 2	3/17/2005	Male	6			1		121		55	25		44244
N 2	3/17/2005	Male	8			3		116		49	24		44245
N 2	3/17/2005	Male	8		1			95		39	20		44246
N 3	3/17/2005	Male	1	5				126	660	58	28		44247
N 3	3/17/2005	Male	1					119	535	49	24		44248
N 3	3/17/2005	Male	1					121	575	50	26		44249

Table 6. (Cont'd)

Set #	Date	Biological Information										Tag Number
		Sex	Shell Condition	Injury Code	Missing Claw	Missing Legs	Observation Code	Shell Width	Weight (g)	Male Claw Length	Male Claw Width	Female Abdominal	
N 21	3/20/2005	Male	1					115	465	45	23		44251
N 3	3/17/2005	Male	1					115	470	44	23		44251
N 3	3/17/2005	Male	1					137	865	60	30		44252
N 3	3/17/2005	Male	8			1		124		55	27		44253
N 3	3/17/2005	Male	8			1		125		54	27		44254
N 3	3/17/2005	Male	8					118	560	51	25		44255
N 3	3/17/2005	Male	2					125	650	57	29		44256
N 3	3/17/2005	Male	1					125	640	55	28		44257
N 3	3/17/2005	Male	8					126	630	51	26		44258
N 3	3/17/2005	Male	8					127		56	28		44259
N 21	3/20/2005	Male	8					115	470	48	23		44260
N 3	3/17/2005	Male	8					115	480	48	23		44260
N 3	3/17/2005	Male	1					130	675	55	30		44261
N 21	3/20/2005	Male	6					123	630	53	28		44262
N 3	3/17/2005	Male	6					123	640	54	28		44262
N 21	3/20/2005	Male	1					122	575	53	25		44263
N 3	3/17/2005	Male	1					122	570	53	25		44263
N 3	3/17/2005	Male	1					124	565	48	25		44264
N 3	3/17/2005	Male	1			3		135		57	30		44265
N 3	3/17/2005	Male	1					117	520	50	23		44266
N 3	3/17/2005	Male	1					126	650	57	28		44267
N 3	3/17/2005	Male	8					128	650	56	26		44268
N 3	3/17/2005	Male	1					108	380	43	21		44269
N 3	3/17/2005	Male	1					122	630	53	26		44270
N 3	3/17/2005	Male	8					123	570	50	25		44271
N 3	3/17/2005	Male	1					117	505	52	25		44273
N 3	3/17/2005	Male	1					117	485	47	25		44274
N 3	3/17/2005	Male	1			2		125		52	27		44275
N 3	3/17/2005	Male	8			1		125		54	26		44276
N 3	3/17/2005	Male	8					126	630	47	22		44277
N 3	3/17/2005	Male	1			1		133		54	27		44278
N 3	3/17/2005	Male	2					120	550	52	25		44279
N 3	3/17/2005	Male	1					124	635	58	29		44280
N 3	3/17/2005	Male	1					121	540	52	24		44281
N 21	3/20/2005	Male	1					124	635	54	27		44282
N 3	3/17/2005	Male	1					125	630	55	27		44282
N 3	3/17/2005	Male	1			1		122		49	25		44283
N 3	3/17/2005	Male	8					109	420	44	22		44284
N 4	3/17/2005	Male	1	4				120		50	23		44285
N 4	3/17/2005	Male	2					104	370	35	16		44286
N 4	3/17/2005	Male	2			1		111		47	21		44287
N 6	3/17/2005	Male	1					106	390	45	22		44288
N 6	3/17/2005	Male	2					120	575	50	25		44289
N 6	3/17/2005	Male	1					89	220	31	15		44291
N 6	3/17/2005	Male	1			1		91		33	15		44293
N 6	3/17/2005	Male	8			1		111		44	22		44294
N 6	3/17/2005	Male	1			1		98		37	18		44295
N 6	3/17/2005	Male	2	5		1		103		41	20		44296
N 6	3/17/2005	Male	1			1		114		46	22		44297
N 6	3/17/2005	Male	2			2		112		47	23		44298
N 6	3/17/2005	Male	8					103	330	40	20		44299
N 6	3/17/2005	Male	2			1		110		46	23		44300
N 6	3/17/2005	Male	1					89	210	27	12		44301
N 6	3/17/2005	Male	1					95	280	37	18		44302
N 6	3/17/2005	Male	1					89	240	32	16		44303

Table 6. (Cont'd)

Set #	Date	Biological Information											Tag Number
		Sex	Shell Condition	Injury Code	Missing Claw	Missing Legs	Observation Code	Shell Width	Weight (g)	Male Claw Length	Male Claw Width	Female Abdominal	
N 6	3/17/2005	Male	2					115	465	47	24		44304
N 6	3/17/2005	Male	1		1	1		106		42	20		44305
N 6	3/17/2005	Male	1			1		97		30	14		44306
N 6	3/17/2005	Male	1					93	240	34	17		44307
N 6	3/17/2005	Male	1					104	320	34	16		44308
N 6	3/17/2005	Male	2					105	370	41	23		44309
N 24	3/20/2005	Male	1					107	380	44	22		44310
N 6	3/17/2005	Male	1					106	370	44	22		44310
N 6	3/17/2005	Male	1					103	310	34	15		44311
N 6	3/17/2005	Male	1			1		87		25	11		44312
N 6	3/17/2005	Male	1					102	355	42	20		44313
N 6	3/17/2005	Male	1					103		38	19		44314
N 6	3/17/2005	Male	8			1		94		34	17		44315
N 14	3/19/2005	Male	2					94	245	35	17		44316
N 14	3/19/2005	Male	1					99	270	38	19		44317
N 14	3/19/2005	Male	1					78	110	22	11		44318
N 14	3/19/2005	Gravid female	7	5		1		80				51	44319
N 14	3/19/2005	Male	1					91	245	36	17		44320
N 14	3/19/2005	Male	2					88	185	28	13		44321
N 15	3/19/2005	Male	6					105	380	45	22		44322
N 15	3/19/2005	Male	1			1		106		44	22		44323
N 15	3/19/2005	Male	1			1		106		44	22		44323
N 15	3/19/2005	Male	8					109	390	45	22		44324
N 15	3/19/2005	Male	1			1		105		40	20		44325
N 15	3/19/2005	Male	1					104	365	42	20		44327
N 15	3/19/2005	Male	8			1		100		38	19		44328
N 15	3/19/2005	Male	1					100	310	38	19		44329
N 15	3/19/2005	Male	1			1		99		38	20		44330
N 15	3/19/2005	Male	1			1		92		35	18		44331
N 15	3/19/2005	Male	8			1		107		43	22		44332
N 15	3/19/2005	Male	1			1		110		44	23		44334
N 15	3/19/2005	Male	1		1			96		38	19		44335
N 15	3/19/2005	Male	8					102	330	40	20		44336
N 15	3/19/2005	Male	8					94	260	35	18		44337
N 15	3/19/2005	Male	1			1		104		42	21		44338
N 16	3/19/2005	Male	1					96	285	35	19		44339
N 16	3/19/2005	Male	1					113	450	46	23		44340
N 16	3/19/2005	Male	1		1	1		94		45	22		44341
N 17	3/19/2005	Male	1					94	240	29	14		44342
N 17	3/19/2005	Male	1			1		109		43	21		44343
N 17	3/19/2005	Male	8			2		115		47	22		44344
N 17	3/19/2005	Male	8			2		97		37	17		44345
N 17	3/19/2005	Male	1					92	205	27	12		44346
N 17	3/19/2005	Male	1					96	260	34	17		44347
N 17	3/19/2005	Gravid female	1					81	160			49	44348
N 17	3/19/2005	Male	8					93	250	34	18		44349
N 18	3/19/2005	Male	8					100	320	37	19		44350
N 18	3/19/2005	Male	1					109	360	44	23		44351
N 18	3/19/2005	Male	8					101	340	40	20		44352
N 18	3/19/2005	Male	1					101	325	39	19		44353
N 18	3/19/2005	Male	6			1		104		40	20		44354
N 18	3/19/2005	Male	1					98	305	40	20		44356
N 18	3/19/2005	Male	1					114	470	49	23		44357
N 18	3/19/2005	Male	1					100	465	48	23		44358
N 18	3/19/2005	Male	1					84	180	26	12		44359
N 18	3/19/2005	Male	1					89	170	26	13		44360

Table 7. Weight (kg)* and number (n) of total trap catch by species, Tanner crab trap survey, F/V WESTERN BOUNTY, September 2 - 14, 2004.

Species	Number (n)	Weight (kg)*
Crabs		
Chionoecetes bairdi	177	
Cancer magister	124	
Munida quadrispina	55	1.13
Lopholithodes foraminatus	2	
Paguridae	1	0.03
Chorilia longipes	2	0.02
Oregonia gracilis	1	0.02
Other Crustaceans		
Pandalus platyceros	102	2.67
Pandalus hypsinotus	4	0.08
Pandalopsis dispar	4	0.07
Molluscs		
Enteroctopus dofleini	7	19.50
Echinoderms		
Pycnopodia helianthoides	3	3.00
Stylasterias forreri	5	2.28
Brisaster latifrons	34	0.68
Parastichopus californicus	1	0.30
Holothuroidea	5	0.17
Mediaster aequalis	3	0.10
Crossaster papposus	1	trace
Other Invertebrates		
Porifera	7	trace
Fish		
Sebastes maliger	12	27.50
Hippoglossus stenolepis	2	11.00
Sebastes borealis	5	9.50
Sebastes crameri	5	7.08
Sebastes aleutianus	3	6.00
Anoplopoma fimbria	2	4.00
Ophiodon elongatus	1	4.00
Cryptacanthodes giganteus	1	2.00
Malacocottus zonurus	10	1.25
Hydrolagus colliei	2	1.20
Sebastes babcocki	1	1.00

*Estimates only.

Table 8. Weight (kg) and number (n) of total trap catch by species, Tanner crab trap survey, CCGS NEOCALIGUS, December 2 - 9, 2004.

Species	Number (n)	Weight (kg)	Percent of Total
Crabs			
Cancer magister	319	132.34	51.02
Chionoecetes bairdi	209	61.01	23.52
Munida quadrispina	1590	25.24	9.73
Lopholithodes foraminatus	7	1.53	0.59
Chorilia longipes	9	0.27	0.10
Hyas lyratus	4	0.26	0.10
Paguridae	1	0.09	0.03
Other Crustaceans			
Pandalus platyceros	823	26.29	10.14
Pandalus hypsinotus	23	0.56	0.22
Pandalus jordani	27	0.21	0.08
Eualus spp	2	0.20	0.08
Pandalus borealis	7	0.16	0.06
Pandalus montagui tridens	7	0.14	0.05
Pandalopsis dispar	3	0.12	0.05
Molluscs			
Octopus rubescens	1	1.50	0.58
Gastropoda	39	0.54	0.21
Fusitriton oregonensis	1	0.09	0.03
Echinoderms			
Stylasterias forreri	7	2.06	0.79
Pycnopodia helianthoides	1	0.77	0.30
Ctenodiscus crispatus	8	0.32	0.12
Molpadia intermedia	1	0.14	0.05
Mediaster aequalis	1	0.10	0.04
Brisaster latifrons	2	0.07	0.03
Euryalae	1	0.03	0.01
Other Invertebrates			
Brachiopoda	1	0.10	0.04
Fish			
Squalus acanthias	2	2.73	1.05
Sebastes maliger	2	1.16	0.45
Sebastes ruberrimus	1	1.06	0.41
Sebastes zacentrus	1	0.17	0.07
Malacocottus zonurus	1	0.10	0.04
Lyopsetta exilis	1	0.03	0.01
Total		259.39	100.0

Table 9. Weight (kg) and number (n) of total trap catch by species, Tanner crab trap survey, CCGS NEOCALIGUS, March 17 - 24, 2005.

Species	Number (n)	Weight (kg)	Percent of Total
Crabs			
Chionoecetes bairdi	547	213.92	44.50
Cancer magister	374	160.13	33.31
Munida quadrispina	1694	25.82	5.37
Paguridae	12	0.40	0.08
Lopholithodes foraminatus	1	0.37	0.08
Chorilia longipes	1	trace	
Other Crustaceans			
Pandalus platyceros	1785	62.51	13.00
Pandalus hypsinotus	106	2.70	0.56
Pandalus borealis	87	0.53	0.11
Pandalus jordani	36	0.20	0.04
Pandalopsis dispar	18	0.13	0.03
Eualus suckleyi	6	0.03	0.01
Pandalus montagui tridens	1	trace	
Molluscs			
Enteroctopus dofleini	1	1.50	0.31
Gastropoda	109	0.43	0.09
Echinoderms			
Pycnopodia helianthoides	1	1.60	0.33
Ctenodiscus crispatus	6	0.15	0.03
Stylasterias forreri	6	0.91	0.19
Mediaster aequalis	1	0.02	0.004
Allocentrotus fragilis	2	0.02	0.004
Brisaster latifrons	2	0.02	0.004
Pseudarchaster alascensis	1	trace	
Other Invertebrates			
Actiniaria	1	0.10	0.02
Porifera		0.02	0.004
Fish			
Cryptacanthodes giganteus	3	4.25	0.88
Gadus macrocephalus	2	2.11	0.44
Hemitripterus bolini	1	1.69	0.35
Sebastes maliger	1	0.50	0.10
Hydrolagus colliei	1	0.38	0.08
Malacocottus zonurus	3	0.10	0.02
Lyopsetta exilis	1	0.06	0.01
Sebastes crameri	1	0.04	0.01
Total		480.67	100.0

Table 10. Set locations, time, distance towed (nau. mi.) and presence of *C. bairdi*, Tanner crab trawl survey, CCGS NEOCALIGUS, December 2 - 9, 2004.

Set	Date	Time		Tow	Depth (m)		Start		Finish		Tow	Speed	Tow	*C. bairdi*
		Start	Finish	Time	Min	Max	Lat.	Long	Lat	Long	Distance	(kts)	Bearing	
N 101	12/2	9:43	9:57	15	167	188	51 30.76	127 42.07	51 30.74	127 42.80	0.50	2.3	265	Present
N 102	12/2	12:49	13:04	9	68	71	51 32.83	127 37.17	51 32.64	127 37.41	0.35	2.0	212	Absent
N 103	12/2	14:47	14:59	12	75	78	51 35.04	127 34.39	51 34.69	127 34.64	0.49	2.0	200	Absent
N 104	12/3	14:17	14:32	15	333	334	51 32.54	127 33.07	51 33.01	127 33.22	0.50	1.7	349	Present
N 105	12/3	15:39	15:43	4	160	163	51 32.95	127 31.40	51 32.86	127 31.44	0.20	2.5	192	Absent
N 109	12/5	8:14	8:29	15	145	146	51 26.16	127 20.32	51 26.20	127 21.19	0.60	2.2	273	Present
N 110	12/6	7:56	8:02	6	166	167	51 40.66	127 17.61	51 40.63	127 17.91	0.20	2.4	245	Present
N 111	12/6	8:57	9:12	15	190	206	51 40.26	127 19.04	51 40.14	127 19.95	0.50	2.0	253	Absent

Table 11. Set locations, time, and presence of *C. bairdi*, Tanner crab beam trawl survey, CCGS NEOCALIGUS, December 2 - 9, 2004.

Set	Date	Time		Tow	Depth (m)		Start		Finish		*C. bairdi*
		Start	Finish	Time	Min	Max	Lat	Long	Lat	Long	
N 106	12/4	14:00	14:17	17	43	43	51 25.93	127 18.58	51 25.77	127 18.66	Present
N 107	12/4	15:30	15:48	18	68	68	51 25.77	127 18.66	51 26.11	127 18.86	Present
N 108	12/4	16:00	16:20	20	102	102	51 26.11	127 18.86	51 25.90	127 18.88	Absent
N 112	12/6	10:30	10:45	15	50	50	51 40.19	127 16.14	51 40.37	127 16.17	Absent
N 113	12/8	9:45	10:05	20	50	50	51 32.95	127 37.29	51 32.84	127 37.44	Absent
N 114	12/8	12:10	12:35	25	50	50	51 33.59	127 36.27	51 33.51	127 36.48	Present
N 115	12/8	15:00	15:15	15	60	60	51 35.54	127 34.24	51 35.38	127 34.31	Present
N 116	12/8	15:40	16:00	20	70	70	51 33.52	127 35.74	51 33.60	127 35.99	Absent

Table 12. Weight (kg) and number (n) of total trawl catch by species, Tanner crab trawl survey, CCGS NEOCALIGUS, December 2 - 9, 2004.

Species	Number (n)	Weight (kg)	Percent of Total
Crabs			
Munida quadrispina		33.40	8.04
Chionoecetes bairdi	39	9.17	2.21
Cancer magister	22	6.48	1.16
Lopholithodes foraminatus	7	1.96	0.47
Chorilia longipes		0.06	0.01
Paguridae		0.03	0.01
Other Crustaceans			
Pandalopsis dispar		25.99	6.26
Pandalus platyceros		2.78	0.67
Pandalus jordani		1.67	0.40
Pandalus borealis		1.59	0.38
Crangon communis		0.68	0.16
Pandalus hypsinotus		0.22	0.05
Eualus spp		0.11	0.03
Pandalus montagui tridens		0.08	0.02
Argis ovifera		0.02	0.01
Pasiphaea pacifica		0.02	0.01
Isopoda		trace	
Molluscs			
Berryteuthis magister		2.57	0.62
Palaeotaxodonta		2.40	0.58
Octopus rubescens		2.19	0.53
Gastropoda		0.10	0.02
Pectinidae		0.10	0.02
Rossia pacifica		0.09	0.02
Loligo opalescens		trace	
Echinoderms			
Brisaster latifrons		26.06	6.27
Ctenodiscus crispatus		0.59	0.14
Allocentrotus fragilis		0.42	0.10
Molpadia intermedia		0.30	0.07
Pseudarchaster dissonus		0.30	0.07
Solaster stimpsoni		0.07	0.02
Leptosynapta transgressor		trace	
Other Invertebrates			
Actiniaria		2.29	0.55
Brachiopoda		0.11	0.03
Scyphozoa		0.05	0.01
Porifera		trace	
Fish			
Hippoglossoides elassodon		59.41	14.30
Lyopsetta exilis		56.60	13.62
Merluccius productus		45.25	10.89
Hydrolagus colliei		34.80	8.38
Theragra chalcogramma		16.73	4.03
Squalus acanthias		15.65	3.77

Table 12. (Cont'd)

Species	Number (n)	Weight (kg)	Percent of Total
Fish			
Lycodes pacificus		11.69	2.81
Parophrys vetulus		6.30	1.52
Microstomus pacificus		6.05	1.46
Cymatogaster aggregata		5.77	1.39
Glyptocephalus zachirus		5.55	1.34
Platichthys stellatus		5.11	1.23
Anoplopoma fimbria		4.51	1.09
Raja rhina		3.93	0.95
Microgadus proximus		3.76	0.91
Lumpenella longirostris		3.50	0.84
Gadus macrocephalus		1.86	0.49
Atheresthes stomias		1.40	0.34
Dasycottus setiger		1.03	0.25
Rhacochilus vacca		0.81	0.20
Sebastes proriger		0.77	0.19
Sebastes zacentrus		0.73	0.18
Sebastes crameri	3	0.47	0.11
Leptocottus armatus		0.40	0.10
Lycodes diapterus		0.32	0.08
Bathyagonus nigripinnis		0.30	0.07
Lycodes brevipes		0.28	0.07
Ophiodon elongates		0.22	0.05
Sebastes saxicola	2	0.21	0.05
Xeneretmus latifrons		0.09	0.02
Radulinus asprellus		0.06	0.01
Malacocottus zonurus		0.04	0.01
Bothrocara pusillum		0.02	0.01
Elassodiscus caudatus		trace	
Leptoclinus maculatus		trace	
Psychrolutes paradoxus		trace	
Total		415.54	100.0

Table 13. Weight (kg) and number (n) of total beam trawl catch by species, Tanner crab beam trawl survey, CCGS NEOCALIGUS, December 2 - 9, 2004.

Species	Number (n)	Weight (kg)	Percent of Total
Crabs			
Munida quadrispina		2.50	16.80
Cancer magister	3	1.29	8.67
Chionoecetes bairdi	53	0.52	3.49
Paguridae		0.11	0.74
Chorilia longipes		trace	
Other Crustaceans			
Pandalus platyceros		1.20	8.06
Pandalus jordani		0.54	3.63
Pandalus hypsinotus		0.48	3.23
Crangon communis		0.40	2.69
Pandalopsis dispar		0.31	2.08
Eualus spp		0.30	2.02
Eualus suckleyi		0.10	0.67
Pandalus borealis		0.10	0.67
Argis ovifera		0.02	0.13
Euphausicea		trace	
Spirontocaris lamellicorni		trace	
Molluscs			
Rossia pacifica		0.25	1.68
Megayoldia thraciaeformis		0.20	1.34
Compsomyax subdiaphana		0.20	1.34
Clinocardium blandum		0.20	1.34
Lucinoma annulatum		0.20	1.34
Cardiomya pectinata		0.20	1.34
Mediaster aequalis		0.20	1.34
Austrotindaria gibbsii		0.20	1.34
Yoldia seminuda		0.20	1.34
Cyclocardia ventricosa		0.20	1.34
Macoma spp		0.20	1.34
Pandora filosa		0.20	1.34
Patellacea		0.10	0.67
Polyplacophora		0.10	0.67
Nuculana cellulita		0.10	0.67
Nuculana pernula		0.10	0.67
Echinoderms			
Phrynophiurida		0.11	0.74
Holothuroidea		0.10	0.67
Stylasterias forreri		0.09	0.60
Strongylocentrotus droebachiensis		trace	
Other Invertebrates			
Scyphozoa		0.31	2.08
Actiniaria		0.15	1.01
Brachiopoda		0.10	0.67
Crinodea		trace	

Table 13. (Cont'd)

Species	Number (n)	Weight (kg)	Percent of Total
Fish			
Theragra chalcogramma		0.77	5.17
Lyopsetta exilis		0.62	4.17
Hippoglossoides elassodon		0.55	3.70
Lycodes pacificus		0.32	2.15
Parophyrys vetulus		0.15	1.01
Sebastes elongatus		0.15	1.01
Xeneretmus latifrons		0.14	1.01
Hemilepidotus hemilepidotus		0.12	1.01
Microstomus pacificus		0.11	0.74
Dasycottus setiger		0.10	0.67
Lycodes brevipes		0.10	0.67
Icelinus tenuis		0.10	0.67
Radulinus asprellus		0.05	0.34
Merluccius productus		0.02	0.13
	Total	14.88	100.0

Table 14. Tag recapture information, Tanner crab trap survey, F/V WESTERN BOUNTY, September 2 - 14, 2004.

Set #	Date	Biological Information										Tag Number
		Sex	Shell Condition	Injury Code	Missing Claw	Missing Legs	Observation Code	Shell Width	Weight (g)	Male Claw Length	Male Claw Width	Female Abdominal
W 30	9/12/2004	Male	1			1		95		40	19		43253

Table 15. Tag recapture information, Tanner crab trap survey, CCGS NEOCALIGUS, December 2 - 9, 2004.

Set #	Date	Biological Information										Tag Number
		Sex	Shell Condition	Injury Code	Missing law	Legs	Observation Code	Shell Width	Weight (g)	Male Claw Length	Male Claw Width	Female Abdominal	
N 20	12/6/2004	Gravid female	8			1		80				48	43050
N 27	12/9/2004	Male	6			1		126		51	25		43268
N 14	12/5/2004	Male	6					115	520	45	23		43345

Table 16. Tag recapture information, Tanner crab trap survey, CCGS NEOCALIGUS, March 17 - 24, 2005.

Set #	Date	Biological Information										Tag Number
		Sex	Shell Condition	Injury Code	Missing Claw	Missing Legs	Observation Code	Shell Width	Weight (g)	Male Claw Length	Male Claw Width	Female Abdominal	
N 15	3/20/2005	Male	8					108	400	44	21		43102
N 36	3/23/2005	Male	6					108	410	44	21		43362
N 5	3/18/2005	Male	6			1		108		46	20		43408
N 35	3/23/2005	Male	6		1			130		54	27		43471
N 20	3/21/2005	Male	6					121	620	53	27		43655
N 2	3/18/2005	Male	8					122	620	54	29		43660
N 34	3/23/2005	Male	1			2		111		43	21		44028
N 15	3/20/2005	Male	8					101	330	40	21		44140
N 21	3/21/2005	Male	8					115	465	45	23		44251
N 21	3/21/2005	Male	6					115	470	48	23		44260
N 21	3/21/2005	Male	6					123	630	53	28		44262
N 21	3/21/2005	Male	1					122	575	53	25		44263
N 21	3/21/2005	Male	1					124	635	54	27		44282
N 24	3/21/2005	Male	2					107	380	44	22		44310

Figure 1. The inshore Tanner crab, *Chionoecetes bairdi* Rathbun, 1924. Male (top); female (bottom).

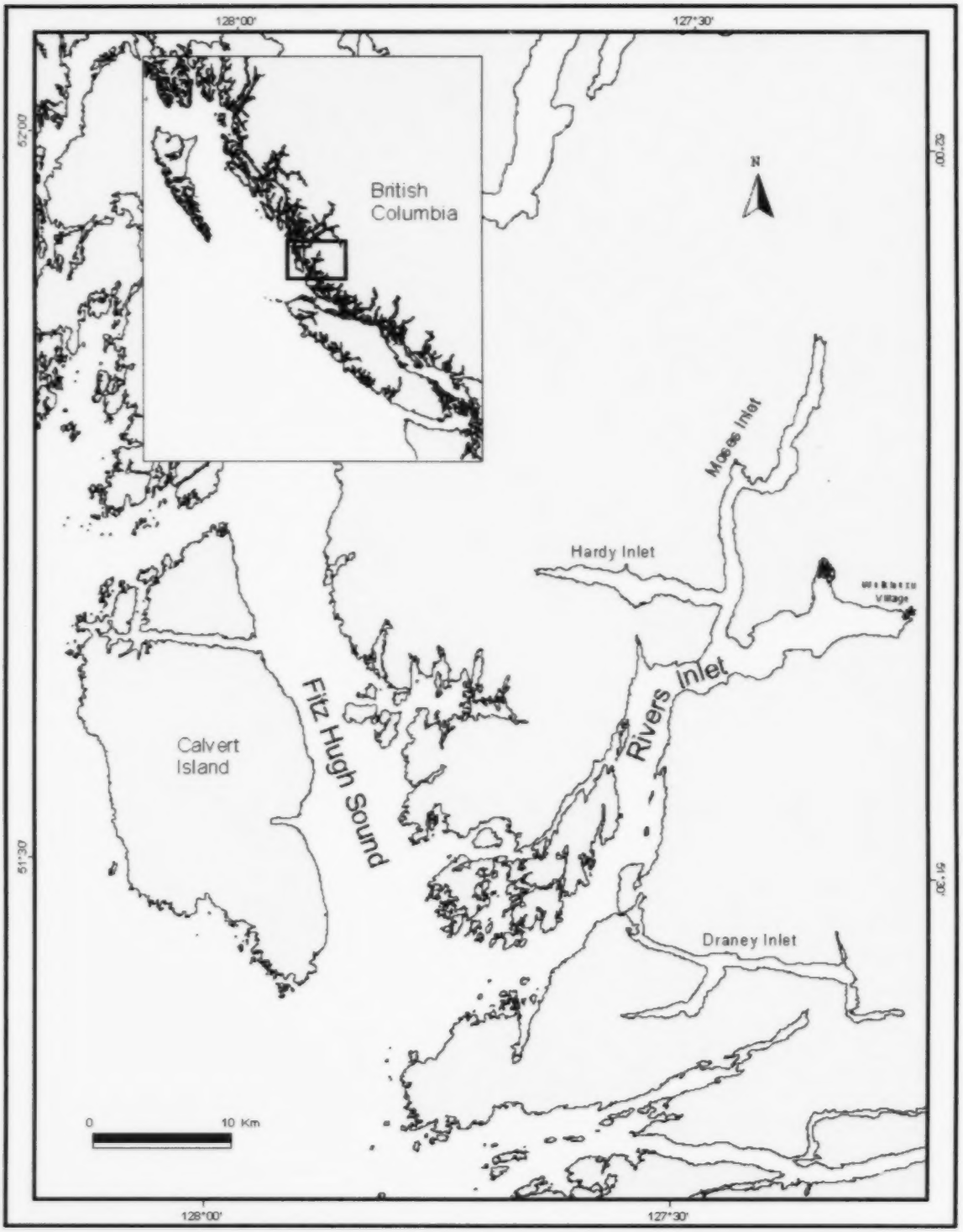


Figure 2. General location of Rivers Inlet and Fitz Hugh Sound, British Columbia.

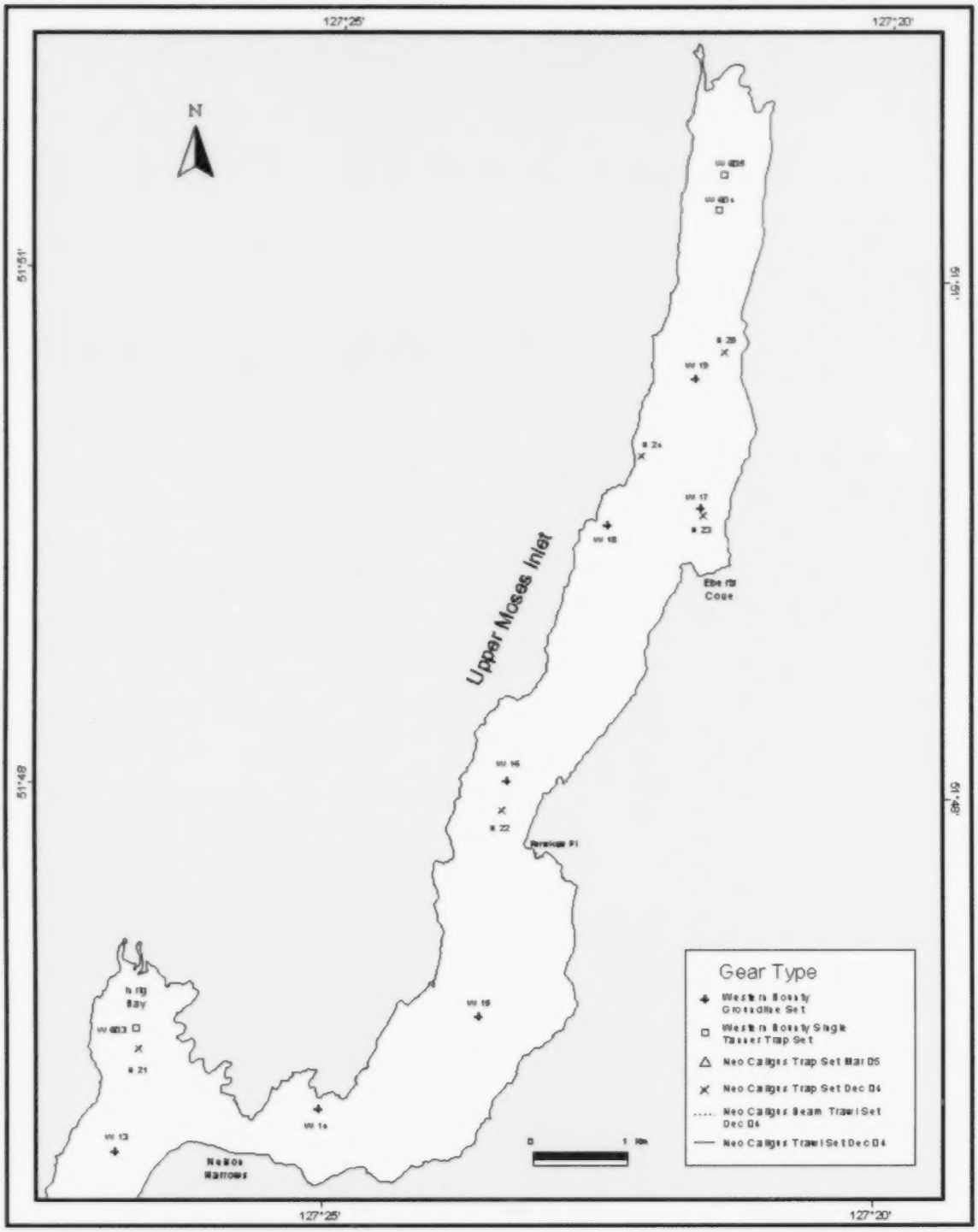


Figure 3. Set locations in Upper Moses Inlet, Tanner crab surveys, F/V WESTERN BOUNTY and CCGS NEOCALIGUS, September 2004 to March 2005.

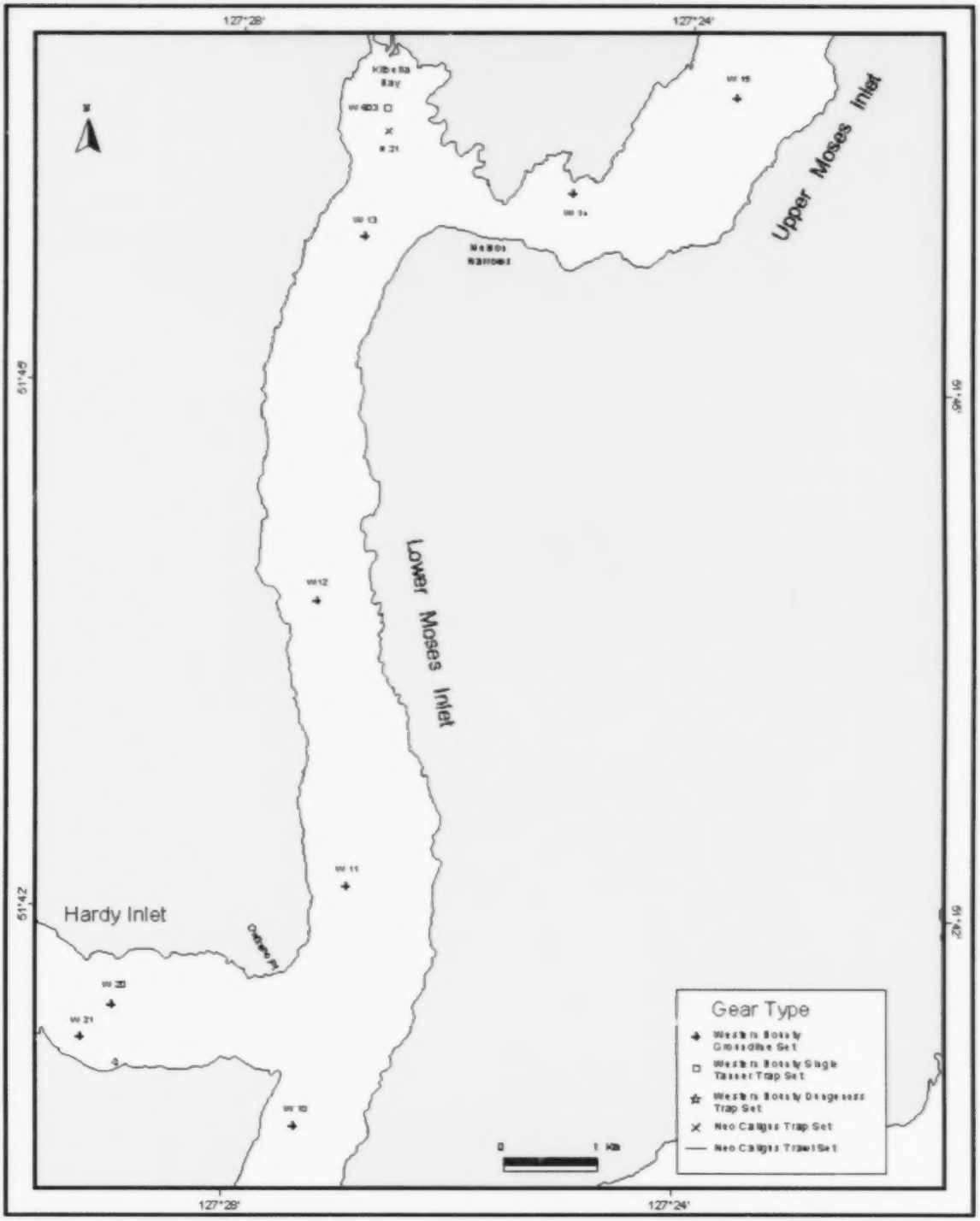


Figure 4. Set locations in Lower Moses Inlet, Tanner crab surveys, F/V WESTERN BOUNTY and CCGS NEOCALIGUS, September 2004 to March 2005.

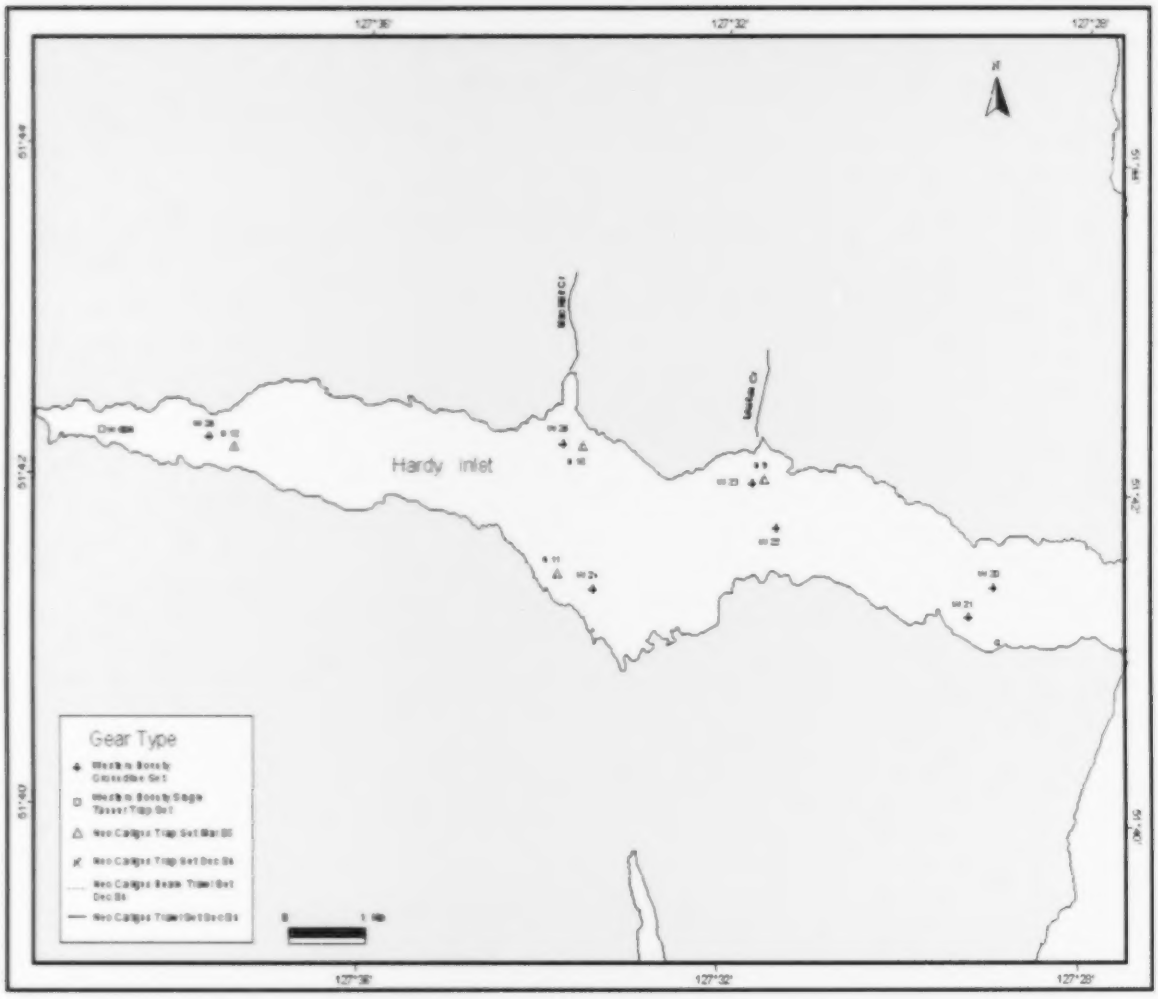


Figure 5. Set locations in Hardy Inlet, Tanner crab surveys, F/V WESTERN BOUNTY and CCGS NEOCALIGUS, September 2004 to March 2005.

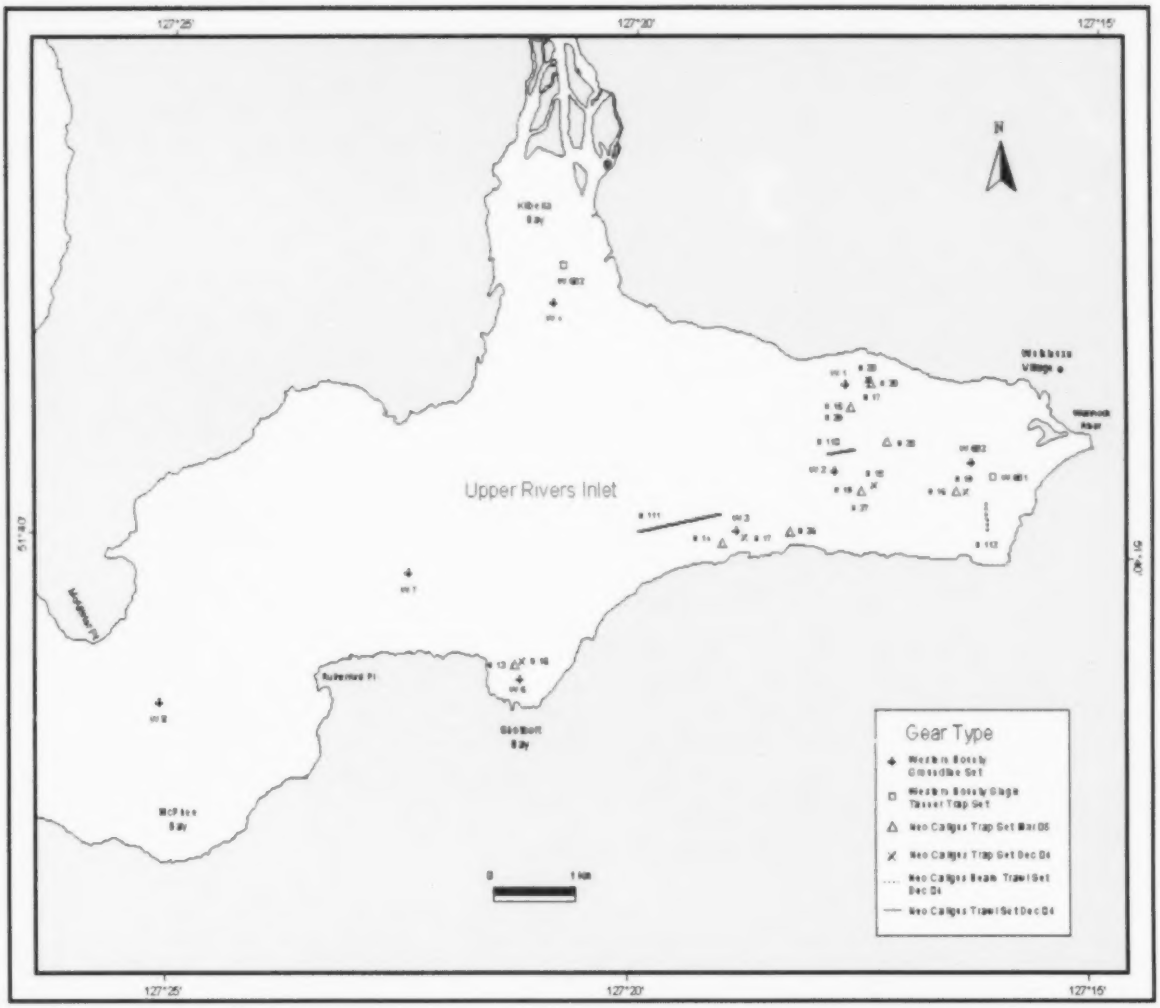


Figure 6. Set locations in Upper Rivers Inlet, Tanner crab surveys, F/V WESTERN BOUNTY and CCGS NEOCALIGUS, September 2004 to March 2005.

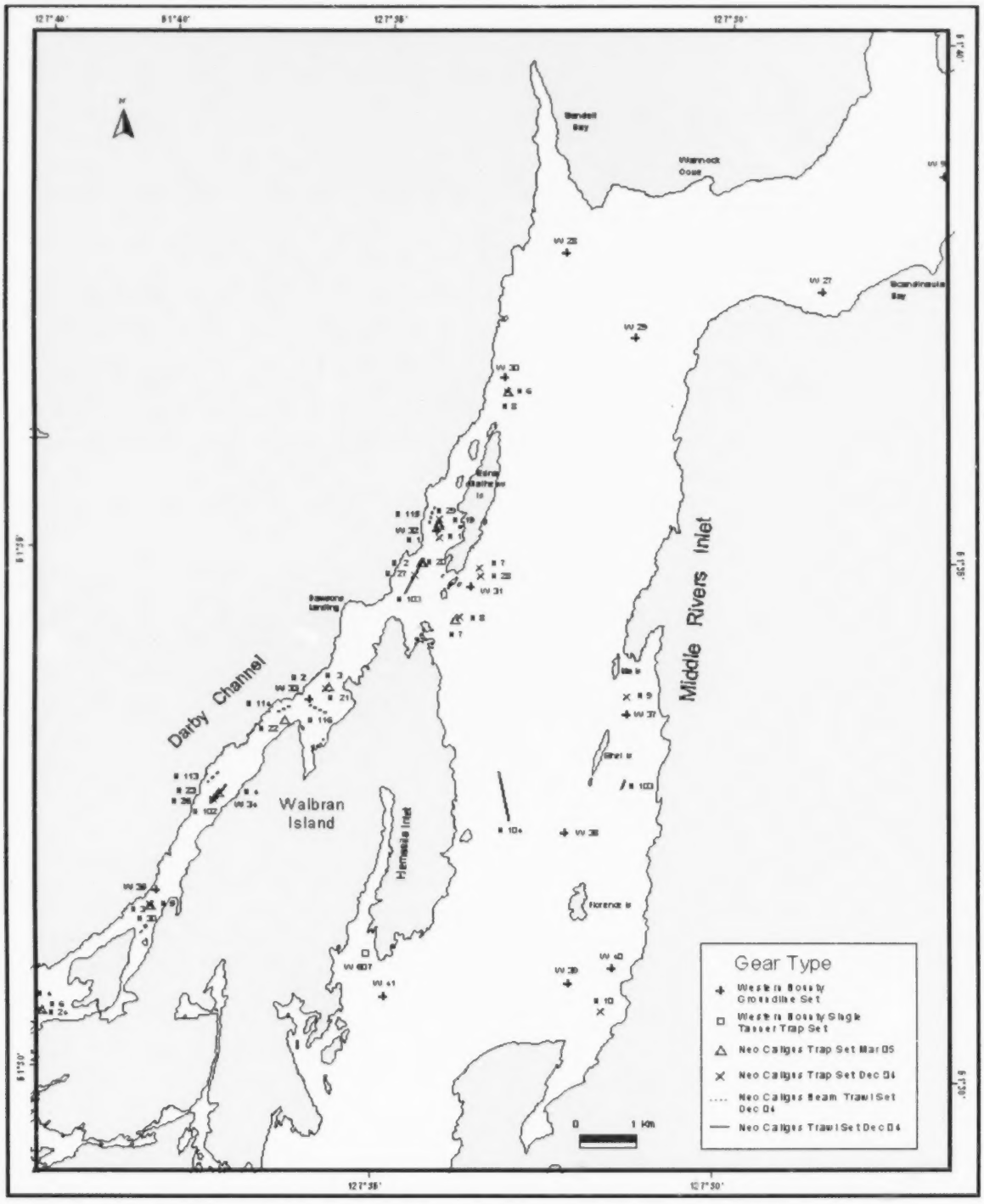


Figure 7. Set locations in Middle Rivers Inlet, Tanner crab surveys, F/V WESTERN BOUNTY and CCGS NEOCALIGUS, September 2004 to March 2005.

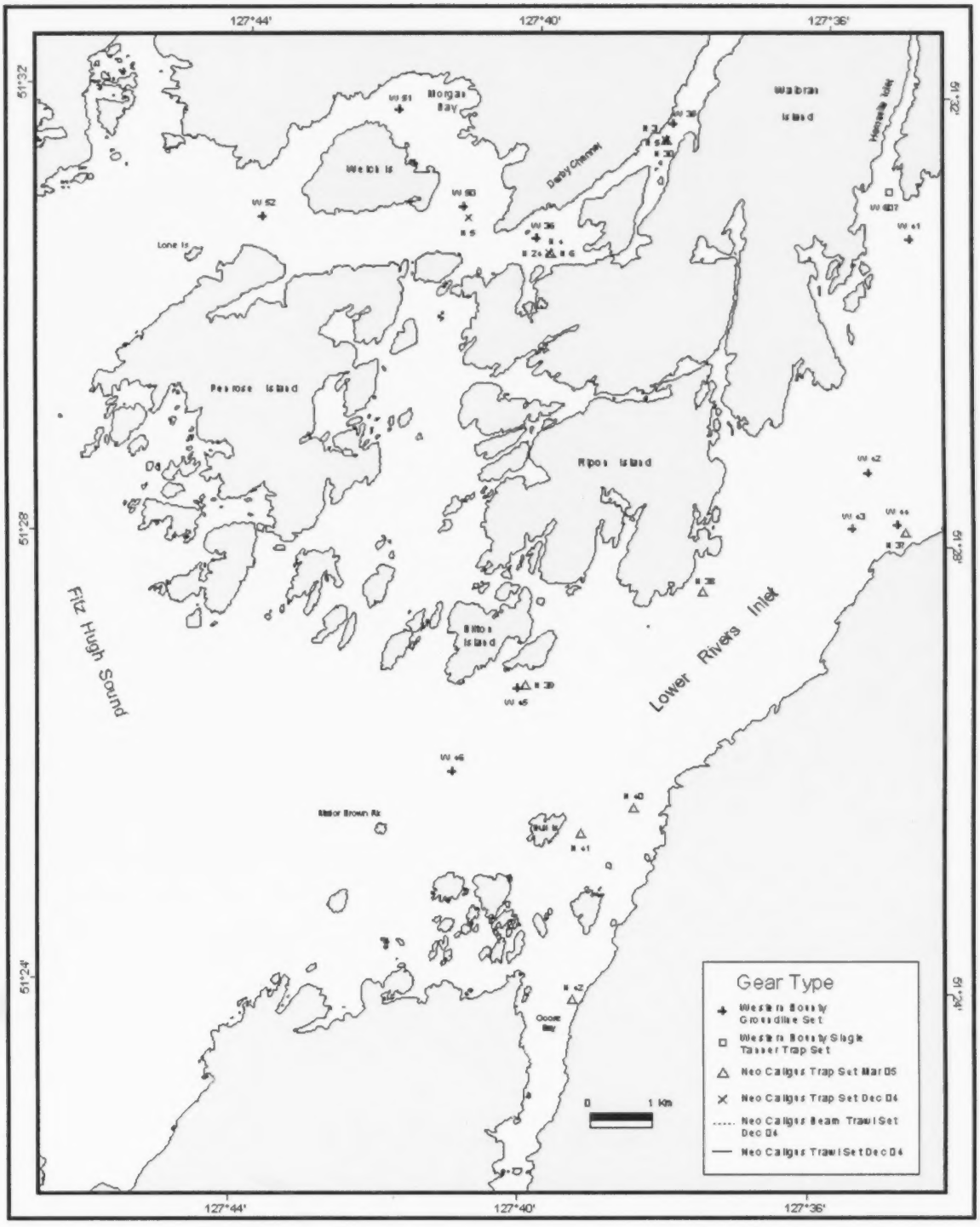


Figure 8. Set locations in Lower Rivers Inlet, Tanner crab surveys, F/V WESTERN BOUNTY and CCGS NEOCALIGUS, September 2004 to March 2005.

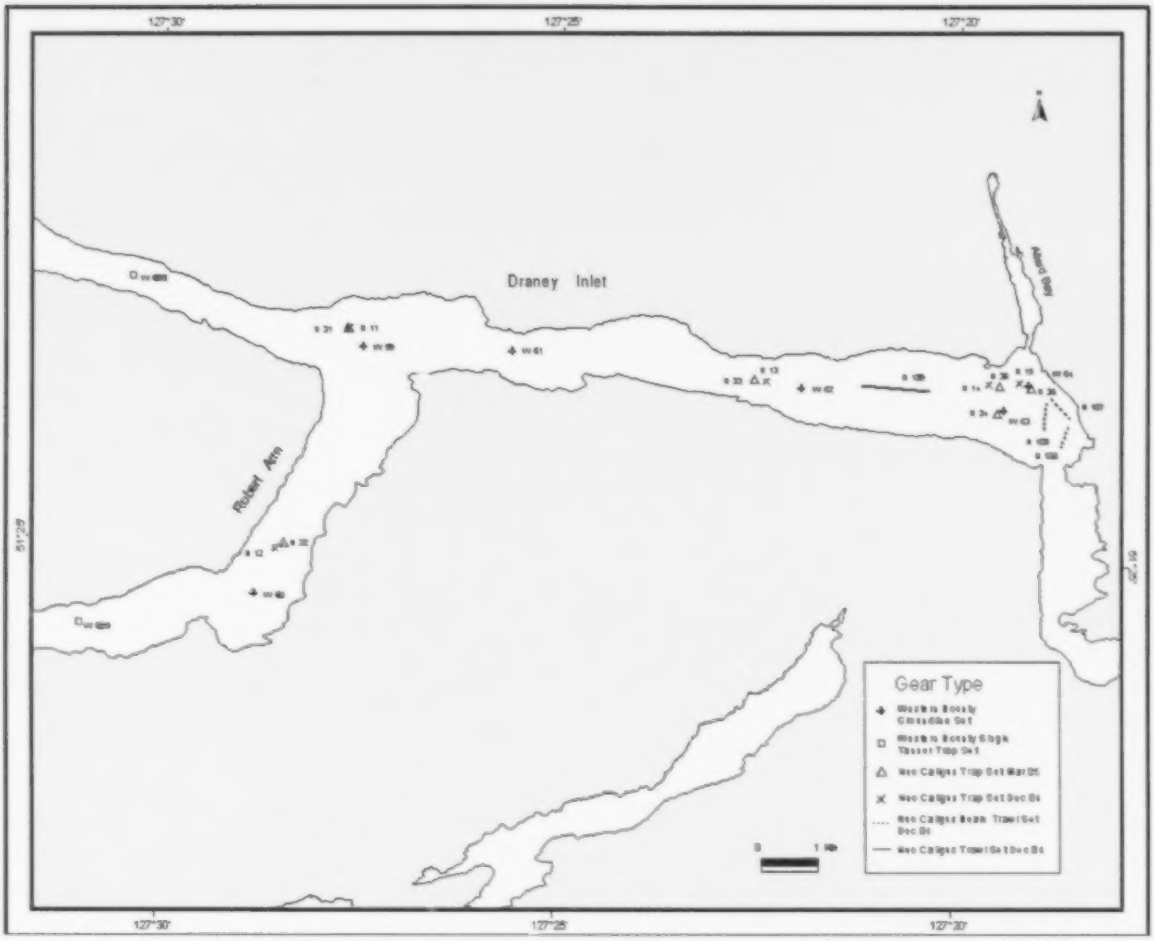


Figure 9. Set locations in Draney Inlet and Roberts Arm, Tanner crab surveys, F/V WESTERN BOUNTY and CCGS NEOCALIGUS, September 2004 to March 2005.

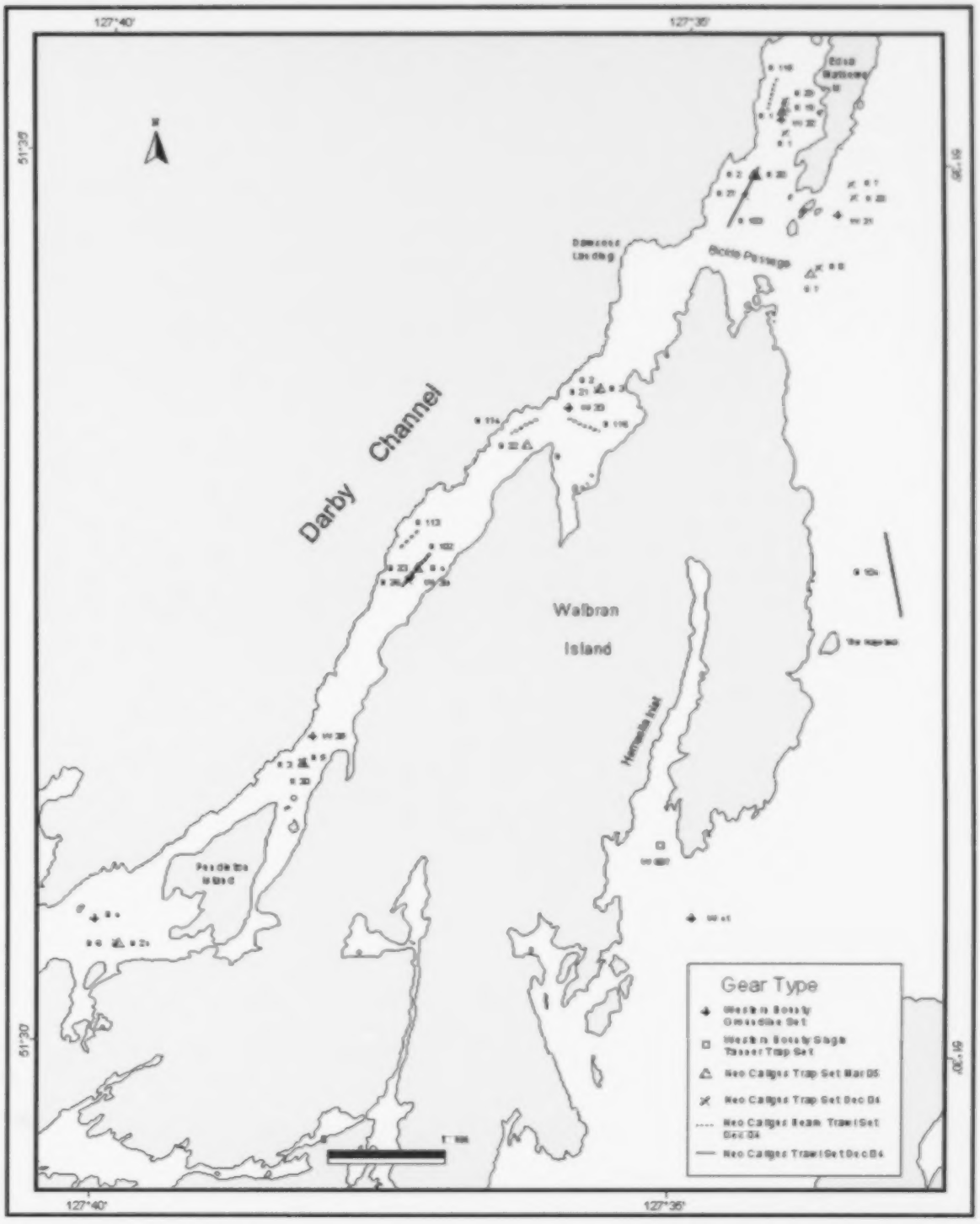


Figure 10. Set locations in Darby Channel, Tanner crab surveys, F/V WESTERN BOUNTY and CCGS NEOCALIGUS, September 2004 to March 2005.

Figure 11. Set locations in Lower Fitz Hugh Sound, Tanner crab surveys, F/V WESTERN BOUNTY and CCGS NEOCALIGUS, September 2004 to March 2005.

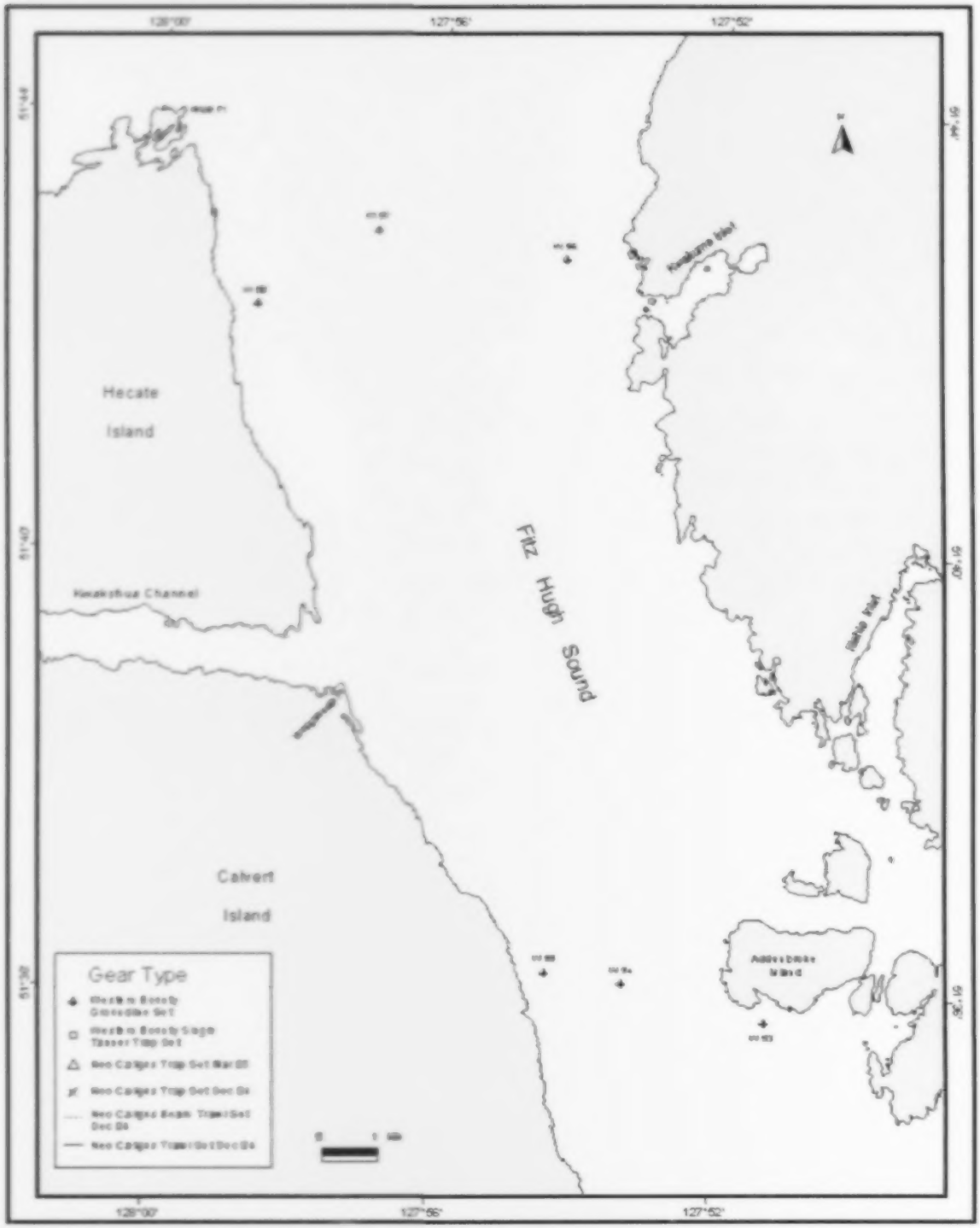


Figure 12. Set locations in Upper Fitz Hugh Sound, Tanner crab surveys, F/V WESTERN BOUNTY and CCGS NEOCALIGUS, September 2004 to March 2005.

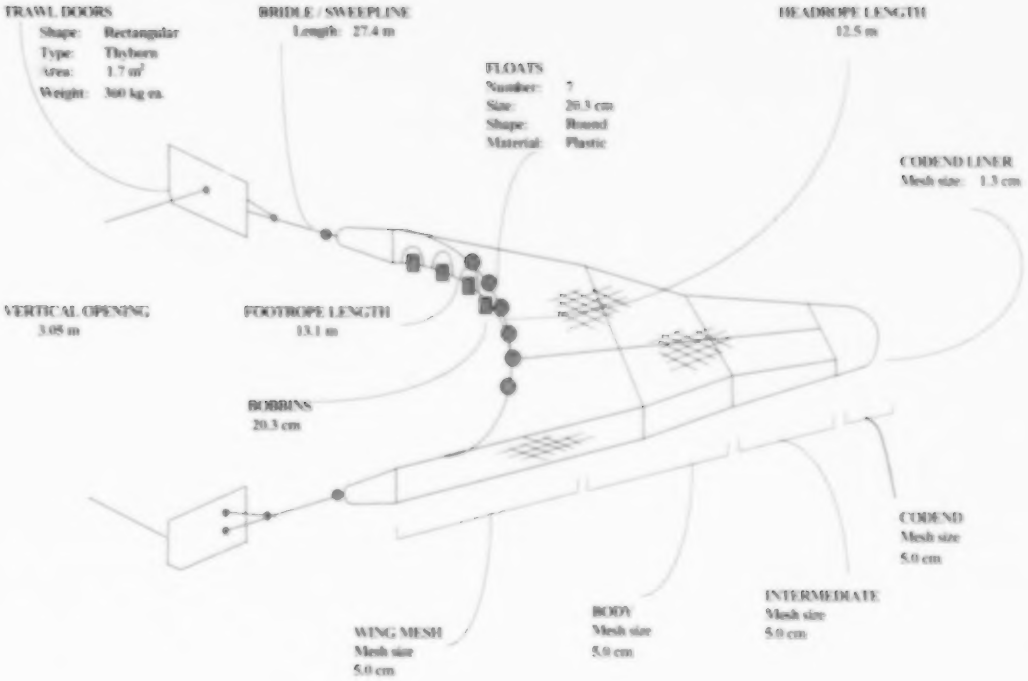
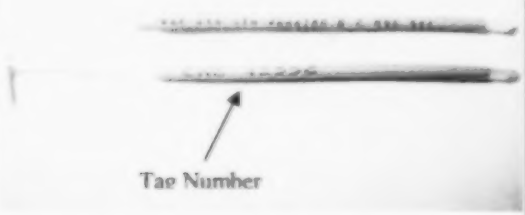


Figure 13. Flat trawl shrimp net (13.4 m) used aboard the CCGS NEOCALIGUS, Rivers Inlet Tanner crab trawl survey, December 2-9, 2004.

REWARD
TAGGED TANNER CRAB

Chionoecetes bairdi – **Tanner crab**



BACKGROUND

A Tanner crab tagging program is underway in Rivers Inlet and Fitz Hugh Sound. Fisheries and Oceans Canada and the Wuikinuxv Nation applied blue T-bar tags to Tanner crabs (see above). The information obtained from this program is used to monitor distribution and estimate abundance, and is a key component to the stock assessment for the species.

WHAT TO DO WHEN YOU CATCH A TAGGED TANNER CRAB?

- Please cut the tag and record the **tag number, location (GPS or Chart Reference), depth, date** and **fishery/method (e.g. sport, crab trap) of capture**. Gently release the crab back into the water.
- To be entered in a draw for the award, you must **send the tag and all collection information** to either person listed below. Remember to include your return contact information. You will be given confirmation of your inclusion in the draw and notified if you win. The draw will be held in March 2006.
- For every tag you return you have an opportunity to **win a $250.00** (CDN) reward.

Contact:	Contact:
Bruce Burrows Wuikinuxv Nation Rivers Inlet, B.C. C/o Bag 3500 Port Hardy, B.C. V0N 2P0 Tel: (250) 949-8625; Fax (250) 949-7105 Email: fisheries@oweekeno.bc.ca	Ken Fong Fisheries and Oceans Canada Pacific Biological Station 3190 Hammond Bay Rd Nanaimo, B.C., V9T 6N7 Tel: (250) 756-7368; Fax: (250) 756-7138 Email: fongk@pac.dfo-mpo.gc.ca

Figure 14. Tag reward poster.

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Appendix Table 1. Code definitions for biological data collected during Tanner crab surveys, F/V WESTERN BOUNTY and CCGS NEOCALIGUS, September 2004 - March 2005.

Field Name	Description/Meaning/Definition
Sex Code:	**1** = Male; **3** = Female; **4** = Female with complete batch of eggs; **5** = Spent female, just released eggs (some eggs must still adhere to pleopods to qualify); **0** = Unknown; "**null**" = empty trap.

Shell Code for Shell Hardness:
1 = New Hard Shell – no deflection of shell with heavy pressure from thumb; few signs of wear or abrasion; dactyl tips, carapace spines, and claw teeth sharp; <1 year;
2 = Springy Hard New -Slight shell deflection with heavy pressure on carapace; little growth, fouling or abrasion; barnacles if present will be small; shell 1 to 4 months;
3 = Crackley Hard; usually bright orange carapace which is easily deformed with moderate pressure of thumb (this is soft shell crab);
4 = Plastic Soft; newly moulted; shell is soft <1 month shell;
5 = Old shell in the process of moulting;
6 = Old Worn Shell showing claw wear usually barnacle encrusted or fouled, otherwise healthy and viable, probably hasn't moulted for more than a year; claws and legs will show signs of wear; carapace spines blunted; Carapace surface colour is faded from orange to brown;
7 = Old Barnacle encrusted; extreme shell and claw wear; diseased, lethargic or moribund; probably not moulted for several years; not likely to moult again or live much longer;
8 = Not Sure, but between a shell '1' and a shell '6'.

Injury Code for Injuries: **1** = Deformed shell; **2** = healed hole or crack in carapace; **3** = torn/missing telson; **4** = regenerating claw(s); **5** = regenerating leg(s); **6** = regenerating claw(s) & leg(s); **7** = Multiple injuries; **8** = shell disease-black spots; **9** = dead.

Claws Missing: The actual number of claws missing, except where caused by sampling.

Legs Missing: The actual number of Legs Missing, except where caused by sampling.

Marks Mating: Grasping marks on female meri.

Observations: Unusual information about individual crabs. **1** = Moulting pair/molt increment; **2** = Mating pair, next or previous record is the mate; **3** = Limb bud forming; **4** = Joints in limbs are pink; **6** = Torch; **8** = Shell discolouration; **9** = Black mat fungus.

Weight: Crab weight in grams

Species: **XKG** = *Cancer magister*; **XLA** = Red Rock, **XKE** = Graceful crab; **ZAF** = *C. bairdi*; **ZAG** = *C. tanneri*; **ZAE** = *C. angulatus*.

Claw Length: Claw Length, in millimeters.

Claw Height: Claw Height, in millimeters.

Abdom5th: Fifth abdominal segment width, in millimeters.

Egg Colour: **R** = Red, **O** = Orange, **P** = Pink, **Y** = Yellow, **G** = Green, **B** = Brown, **K** = Black.

Appendix Table 2. Catch by set location and species, Tanner crab trap survey, F/V WESTERN BOUNTY, September 2 - 14, 2004.

Set: W 1 **Soak Time (h):** 26
Traps Sampled: 4
Nearest Chart Reference: Wannock River

	Set	Haul
Date	9/2/2004	9/3
Time:	11:50	13:45
Depth:	129	138
Latitude:	51 41.063	51 41.041
Longitude:	127 17.852	127 17.563

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)		1
Chionoecetes bairdi (female)		2
Munida quadrispina	0.05	1
Crustacean		
Pandalus platyceros	0.04	2
Echinoderm		
Brisaster latifrons	0.05	1

Set: W 2 **Soak Time (h):** 25
Traps Sampled: 5
Nearest Chart Reference: Wannock River

	Set	Haul
Date	9/2/2004	9/3
Time:	11:30	12:50
Depth:	153	153
Latitude:	51 40.595	51 40.484
Longitude:	127 17.964	127 17.652

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)		4
Chionoecetes bairdi (female)		18
Cancer magister (female)		1
Munida quadrispina	0.02	2
Crustacean		
Pandalus platyceros	0.12	6
Echinoderm		
Brisaster latifrons	0.02	4

Set: W 3 **Soak Time (h):** 25
Traps Sampled: 5
Nearest Chart Reference: MacTavish Creek

	Set	Haul
Date	9/2/2004	9/3/2004
Time:	11:00	12:05
Depth:	134	185
Latitude:	51 40.153	51 40.172
Longitude:	127 18.961	127 18.765

Catch

Species	Weight (kg)	N
Crustacean		
Pandalus platyceros	0.02	1
Rockfish		
Sebastes maliger	1.0	1
Roundfish		
Malacocottus zonurus	0.03	1

Set: W 4 **Soak Time (h):** 24
Traps Sampled: 5
Nearest Chart Reference: Kilbella Bay

	Set	Haul
Date	9/2/2004	9/3/2004
Time:	10:25	10:35
Depth:	111	125
Latitude:	51 41.482	51 41.520
Longitude:	127 21.004	127 20.732

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)		1
Cancer magister (female)		1
Rockfish		
Sebastes maliger	1.5	1

Set: W 5 **Soak Time (h):** 28
Traps Sampled: 5
Nearest Chart Reference: Wannock River

	Set	Haul
Date	9/2/2004	9/3/2004
Time:	12:35	16:30
Depth:	120	125
Latitude:	51 40.712	51 40.504
Longitude:	127 16.33	127 16.334

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)		3
Cancer magister (male)		3
Cancer magister (female)		22

Set: W 6 **Soak Time (h):** 22
Traps Sampled: 5
Nearest Chart Reference: Shotbolt Bay

	Set	Haul
Date	9/3/2004	9/4/2004
Time:	11:10	8:40
Depth:	78	96
Latitude:	51 39.275	51 39.246
Longitude:	127 21.008	127 21.393

Catch

Species	Weight (kg)	N
Rockfish		
Sebastes maliger	3	2

Appendix Table 2. (Cont'd)

Set: W 7 **Soak Time (h):** 22
Traps Sampled: 5
Nearest Chart Reference: Upper Rivers Inlet Mid Channel

	Set	Haul
Date	9/3/2004	9/4/2004
Time:	11:40	9:10
Depth:	242	251
Latitude:	51 39.901	51 39.845
Longitude:	127 22.228	127 22.611

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (female)		1

Set: W 8 **Soak Time (h):** 22
Traps Sampled: 5
Nearest Chart Reference: McAllister Pt.

	Set	Haul
Date	9/3/2004	9/4/2004
Time:	14:45	12:25
Depth:	287	296
Latitude:	51 39.090	51 39.056
Longitude:	127 24.908	127 25.273

Catch

Set: W 9 **Soak Time (h):** 21
Traps Sampled: 5
Nearest Chart Reference: Head of Upper Rivers Inlet

	Set	Haul
Date	9/3/2004	9/4/2004
Time:	14:55	11:40
Depth:	300	311
Latitude:	51 38.846	51 38.799
Longitude:	127 26.742	127 27.133

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (female)		2
Flatfish		
Hippoglossus stenolepis	7	1
Roundfish		
Malacocottus zonurus	1	1
Anoplopoma fimbria	2	1

Set: W 10 **Soak Time (h):** 22
Traps Sampled: 5
Nearest Chart Reference: Ralph Pt. (Lower Moses Inlet)

	Set	Haul
Date	9/3/2004	9/4/2004
Time:	15:25	13:15
Depth:	130	131
Latitude:	51 40.696	51 40.953
Longitude:	127 27.409	127 27.325

Catch

Species	Weight (kg)	N
Crustacean		
Pandalus platyceros	0.08	4
Echinoderm		
Holothuroidea	0.03	1
Rockfish		
Sebastes crameri	2	1

Set: W 11 **Soak Time (h):** 24
Traps Sampled: 4
Nearest Chart Reference: Lower Moses Inlet

	Set	Haul
Date	9/4/2004	9/5/2004
Time:	11:00	10:30
Depth:	236	236
Latitude:	51 42.093	51 42.310
Longitude:	127 26.941	127 26.935

Catch

Species	Weight (kg)	N
Crab		
Munida quadrispina	0.02	1
Crustacean		
Pandalus platyceros	0.04	1

Set: W 12 **Soak Time (h):** 25
Traps Sampled: 5
Nearest Chart Reference: Lower Moses Inlet Mid

	Set	Haul
Date	9/4/2004	9/5/2004
Time:	14:20	15:35
Depth:	207	210
Latitude:	51 43.924	51 43.727
Longitude:	127 27.264	127 27.231

Catch

Species	Weight (kg)	N
Crab		
Lopholithodes foraminatus (male)		1
Crustacean		
Pandalus platyceros	0.04	1

Appendix Table 2. (Cont'd)

Set: W 13 **Soak Time (h):** 26
Traps Sampled: 5
Nearest Chart Reference: Nelson Narrows

	Set	Haul
Date	9/4/2004	9/5/2004
Time:	14:45	16:20
Depth:	172	185
Latitude:	51 45.812	51 46.025
Longitude:	127 26.919	127 26.857

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)		2
Chionoecetes bairdi (female)		1
Lopholithodes foraminatus (female)		1
Munida quadrispina	0.06	3
Crustacean		
Pandalus platyceros	0.25	7

Set: W 14 **Soak Time (h):** 23
Traps Sampled: 5
Nearest Chart Reference: Nelson Narrows

	Set	Haul
Date	9/4/2004	9/5/2004
Time:	15:05	13:55
Depth:	69	124
Latitude:	51 46.149	51 46.221
Longitude:	127 25.229	127 24.854

Catch

Species	Weight (kg)	N
Crab		
Cancer magister (male)		1
Cancer magister (female)		3
Echinoderm		
Stylasterias forreri	0.08	1

Set: W 15 **Soak Time (h):** 22
Traps Sampled: 5
Nearest Chart Reference: S of Penelope Pt. (Upper Moses Inlet)

	Set	Haul
Date	9/5/2004	9/6/2004
Time:	14:21	12:25
Depth:	240	245
Latitude:	51 46.637	51 46.853
Longitude:	127 23.679	127 23.527

Catch

Set: W 16 **Soak Time (h):** 18
Traps Sampled: 5
Nearest Chart Reference: Penelope Pt.

	Set	Haul
Date	9/5/2004	9/6/2004
Time:	17:13	11:43
Depth:	201	212
Latitude:	51 48.008	51 48.232
Longitude:	127 23.440	127 23.327

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)		2
Chionoecetes bairdi (female)		7

Set: W 17 **Soak Time (h):** 21
Traps Sampled: 5
Nearest Chart Reference: Eberts Cove (Upper Moses Inlet)

	Set	Haul
Date	9/5/2004	9/6/2004
Time:	13:05	9:45
Depth:	146	166
Latitude:	51 49.633	51 49.808
Longitude:	127 21.798	127 21.542

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)		7
Chionoecetes bairdi (female)		8

Set: W 18 **Soak Time (h):** 20
Traps Sampled: 5
Nearest Chart Reference: Opp. Eberts Cove

	Set	Haul
Date	9/5/2004	9/6/2004
Time:	12:50	9:17
Depth:	97	155
Latitude:	51 49.708	51 49.518
Longitude:	127 22.414	127 22.600

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)		3
Rockfish		
Sebastes crameri	5	3
Roundfish		
Ophiodon elongatus	4	1

Appendix Table 2. (Cont'd)

Set: W 19 **Soak Time (h):** 20
Traps Sampled: 5
Nearest Chart Reference: N. of Eberts Cove

	Set	Haul
Date	9/5/2004	9/6/2004
Time:	12:35	8:45
Depth:	155	165
Latitude:	51 50.603	51 50.338
Longitude:	127 21.722	127 21.737

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)		1
Crustacean		
Pandalus platyceros	0.02	1

Set: W 20 **Soak Time (h):** 23
Traps Sampled: 5
Nearest Chart Reference: Mouth of Hardy Inlet

	Set	Haul
Date	9/4/2004	9/5/2004
Time:	10:45	9:45
Depth:	236	241
Latitude:	51 41.508	51 41.497
Longitude:	127 29.153	127 28.836

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)		1
Chionoecetes bairdi (female)		2
Mollusc		
Enteroctopus dofleini	2	1

Set: W 21 **Soak Time (h):** 23
Traps Sampled: 5
Nearest Chart Reference: Mouth of Hardy Inlet

	Set	Haul
Date	9/4/2004	9/5/2004
Time:	10:30	9:15
Depth:	119	168
Latitude:	51 41.292	51 41.346
Longitude:	127 29.097	127 29.427

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)		1
Munida quadrispina	0.08	4
Crustacean		
Pandalus platyceros	0.02	1
Echinoderm		
Mediaster aequalis	0.02	1

Set: W 22 **Soak Time (h):** 19
Traps Sampled: 5
Nearest Chart Reference: Matilda Creek (Hardy Inlet)

	Set	Haul
Date	9/6/2004	9/7/2004
Time:	14:0	8:45
Depth:	274	278
Latitude:	51 41.818	51 41.850
Longitude:	127 31.225	127 31.58

Catch

Species	Weight (kg)	N
Crab		
Munida quadrispina	0.02	1
Crustacean		
Pandalopsis dispar	0.02	1
Roundfish		
Malacocottus zonurus	0.04	2

Set: W 23 **Soak Time (h):** 19
Traps Sampled: 5
Nearest Chart Reference: Matilda Creek

	Set	Haul
Date	9/6/2004	9/7/2004
Time:	14:20	9:20
Depth:	144	174
Latitude:	51 42.100	51 42.104
Longitude:	127 31.491	127 31.860

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)		15
Chionoecetes bairdi (female)		2
Munida quadrispina	0.02	2

Set: W 24 **Soak Time (h):** 19
Traps Sampled: 5
Nearest Chart Reference: Opp. MacNair Creek

	Set	Haul
Date	9/6/2004	9/7/2004
Time:	14:45	10:10
Depth:	137	170
Latitude:	51 41.496	51 41.366
Longitude:	127 33.565	127 33.294

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)		2
Chionoecetes bairdi (female)		1
Munida quadrispina	0.16	2
Crustacean		
Pandalopsis dispar	0.02	1
Pandalus platyceros	0.02	1

Appendix Table 2. (Cont'd)

Set: W 25 **Soak Time (h):** 20
Traps Sampled: 5
Nearest Chart Reference: MacNair Creek (Hardy Inlet)

	Set	Haul
Date	9/6/2004	9/7/2004
Time:	15:05	10:45
Depth:	104	165
Latitude:	51 42.328	51 42.302
Longitude:	127 33.601	127 33.966

Catch

Species	Weight (kg)	N
Crab		
Munida quadrispina	0.34	17
Crustacean		
Pandalus platyceros	0.08	3

Set: W 26 **Soak Time (h):** 20
Traps Sampled: 5
Nearest Chart Reference: Head of Hardy Inlet

	Set	Haul
Date	9/6/2004	9/7/2004
Time:	15:25	11:30
Depth:	201	219
Latitude:	51 42.303	51 42.306
Longitude:	127 37.546	127 37.910

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)		3
Chionoecetes bairdi (female)		7
Cancer magister (male)		2
Crustacean		
Pandalus platyceros	0.05	2

Set: W 27 **Soak Time (h):** 21
Traps Sampled: 5
Nearest Chart Reference: Opp. Wannock Cove

	Set	Haul
Date	9/6/2004	9/7/2004
Time:	17:17	14:00
Depth:	229	302
Latitude:	51 37.620	51 37.747
Longitude:	127 28.820	127 28.527

Catch

Species	Weight (kg)	N
Rockfish		
Sebastes aleutianus	6.0	3

Set: W 28 **Soak Time (h):** 24
Traps Sampled: 5
Nearest Chart Reference: Sandell Bay

	Set	Haul
Date	9/11/2004	9/12/2004
Time:	11:05	10:35
Depth:	318	320
Latitude:	51 37.935	51 38.110
Longitude:	127 32.504	127 32.275

Catch

Species	Weight (kg)	N
Mollusc		
Enteroctopus dofleini	2	1

Set: W 29 **Soak Time (h):** 23
Traps Sampled: 5
Nearest Chart Reference: Middle Rivers Inlet Mid Channel

	Set	Haul
Date	9/11/2004	9/12/2004
Time:	10:48	9:40
Depth:	322	322
Latitude:	51 37.114	51 37.315
Longitude:	127 31.485	127 31.242

Catch

Species	Weight (kg)	N
Crustacean		
Pandalopsis dispar	0.03	2

Set: W 30 **Soak Time (h):** 20
Traps Sampled: 5
Nearest Chart Reference: N. of Edna Matthews Island

	Set	Haul
Date	9/11/2004	9/12/2004
Time:	15:20	11:15
Depth:	115	139
Latitude:	51 36.701	51 36.917
Longitude:	127 33.301	127 33.205

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)		17
Chionoecetes bairdi (female)		4

Appendix Table 2. (Cont'd)

Set: W 31 **Soak Time (h):** 22
Traps Sampled: 5
Nearest Chart Reference: E. of Bickle Passage

	Set	Haul
Date	9/11/2004	9/12/2004
Time:	14:50	12:40
Depth:	99	134
Latitude:	51 34.677	51 34.876
Longitude:	127 33.744	127 33.633

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)		3
Chionoecetes bairdi (female)		2
Munida quadrispina	0.08	4
Crustacean		
Pandalus platyceros	0.03	1
Echinoderm		
Brisaster latifrons	0.06	3
Roundfish		
Malacocottus zonurus	0.03	1

Set: W 32 **Soak Time (h):** 21
Traps Sampled: 5
Nearest Chart Reference: Darby Channel North

	Set	Haul
Date	9/11/2004	9/12/2004
Time:	15:07	12:03
Depth:	60	75
Latitude:	51 35.211	51 35.413
Longitude:	127 34.238	127 34.153

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)		2
Cancer magister (male)		9
Cancer magister (female)		10

Set: W 33 **Soak Time (h):** 23
Traps Sampled: 5
Nearest Chart Reference: Dawson's Landing (Darby Channel)

	Set	Haul
Date	9/11/2004	9/12/2004
Time:	14:30	13:20
Depth:	66	75
Latitude:	51 33.586	51 33.752
Longitude:	127 36.121	127 35.867

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)		2
Cancer magister (male)		1
Cancer magister (female)		4
Oregonia gracilis	0.02	1
Crustacean		
Pandalus platyceros	0.1	4
Echinoderm		
Stylasterias forreri	1	1

Set: W 34 **Soak Time (h):** 22
Traps Sampled: 5
Nearest Chart Reference: Darby Channel Mid

	Set	Haul
Date	9/10/2004	9/11/2004
Time:	14:10	12:10
Depth:	69	73
Latitude:	51 32.617	51 32.783
Longitude:	127 37.425	127 37.243

Catch

Species	Weight (kg)	N
Crab		
Cancer magister (male)		7
Cancer magister (female)		5
Crustacean		
Pandalus platyceros	0.25	9
Pandalus hypsinotus	0.08	4

Appendix Table 2. (Cont'd)

Set: W 35 **Soak Time (h):** 23
Traps Sampled: 5
Nearest Chart Reference: N. of Pendleton Island

	Set	Haul
Date	9/10/2004	9/11/2004
Time:	13:54	12:37
Depth:	55	77
Latitude:	51 31.559	51 32.031
Longitude:	127 38.369	127 37.919

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (female)		1
Cancer magister (female)		1
Chorilia longipes	0.02	2
Crustacean		
Pandalus platyceros	0.4	15
Echinoderm		
Stylasterias forreri	1	1
Rockfish		
Sebastes maliger	1.5	1

Set: W 36 **Soak Time (h):** 24
Traps Sampled: 5
Nearest Chart Reference: S. of Pendleton Island

	Set	Haul
Date	9/10/2004	9/11/2004
Time:	13:40	13:10
Depth:	60	84
Latitude:	51 30.679	51 30.817
Longitude:	127 40.113	127 39.879

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)		3
Cancer magister (male)		2
Cancer magister (female)		1
Crustacean		
Pandalus platyceros	0.15	5

Set: W 37 **Soak Time (h):** 16
Traps Sampled: 5
Nearest Chart Reference: E. of Ethel Island

	Set	Haul
Date	9/7/2004	9/8/2004
Time:	15:15	7:35
Depth:	117	130
Latitude:	51 33.696	51 33.460
Longitude:	127 31.374	127 31.385

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)		1
Crustacean		
Pandalus platyceros	0.02	1
Echinoderm		
Brisaster latifrons	0.06	3
Roundfish		
Malacocottus zonurus	0.04	1

Set: W 38 **Soak Time (h):** 16
Traps Sampled: 5
Nearest Chart Reference: Opp. The Haystack

	Set	Haul
Date	9/7/2004	9/8/2004
Time:	15:35	8:05
Depth:	256	315
Latitude:	51 32.572	51 32.282
Longitude:	127 32.226	127 32.266

Catch

Species	Weight (kg)	N
Echinoderm		
Brisaster latifrons	0.03	1

Appendix Table 2. (Cont'd)

Set: W 39 **Soak Time (h):** 18
Traps Sampled: 5
Nearest Chart Reference: Wadhams (Middle Rivers Inlet)

	Set	Haul
Date	9/7/2004	9/8/2004
Time:	16:00	9:30
Depth:	212	223
Latitude:	51 30.847	51 31.110
Longitude:	127 32.231	127 32.090

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)		1
Chionoecetes bairdi (female)		2

Set: W 40 **Soak Time (h):** 17
Traps Sampled: 5
Nearest Chart Reference: Wadhams

	Set	Haul
Date	9/7/2004	9/8/2004
Time:	16:20	8:55
Depth:	123	190
Latitude:	51 31.022	51 31.257
Longitude:	127 31.588	127 31.452

Catch

Species	Weight (kg)	N
Echinoderm		
Brisaster latifrons	0.02	1
Roundfish		
Malacocottus zonurus	0.05	1

Set: W 41 **Soak Time (h):** 17
Traps Sampled: 5
Nearest Chart Reference: Hemasila Inlet (Lower Rivers Inlet)

	Set	Haul
Date	9/7/2004	9/8/2004
Time:	16:50	10:15
Depth:	183	247
Latitude:	51 30.734	51 30.906
Longitude:	127 34.955	127 34.697

Catch

Species	Weight (kg)	N
Mollusc		
Enteroctopus dofleini	1	1
Rockfish		
Sebastes borealis	6	3

Set: W 42 **Soak Time (h):** 20
Traps Sampled: 5
Nearest Chart Reference: Draney Narrows

	Set	Haul
Date	9/9/2004	9/10/2004
Time:	12:30	8:50
Depth:	316	320
Latitude:	51 28.798	51 28.631
Longitude:	127 35.255	127 35.433

Catch

Species	Weight (kg)	N
Mollusc		
Enteroctopus dofleini	2	1

Set: W 43 **Soak Time (h):** 20
Traps Sampled: 5
Nearest Chart Reference: Draney Narrows

	Set	Haul
Date	9/9/2004	9/10/2004
Time:	13:15	9:35
Depth:	315	320
Latitude:	51 28.278	51 28.141
Longitude:	127 35.438	127 35.647

Catch

Set: W 44 **Soak Time (h):** 21
Traps Sampled: 4
Nearest Chart Reference: Draney Narrows

	Set	Haul
Date	9/9/2004	9/10/2004
Time:	13:00	10:10
Depth:	181	207
Latitude:	51 28.328	51 28.191
Longitude:	127 34.770	127 35.086

Catch

Species	Weight (kg)	N
Echinoderm		
Brisaster latifrons	0.1	5
Rockfish		
Sebastes babcocki	1	1
Selachii		
Hydrolagus colliei	0.5	1

Appendix Table 2. (Cont'd)

Set: W 45 **Soak Time (h):** 21
Traps Sampled: 5
Nearest Chart Reference: Bilton Island (Lower Rivers Inlet)

	Set	Haul
Date	9/9/2004	9/10/2004
Time:	14:18	11:00
Depth:	135	157
Latitude:	51 26.724	51 26.704
Longitude:	127 39.947	127 40.339

Catch

Species	Weight (kg)	N
Crustacean		
Pandalus platyceros	0.13	5

Set: W 46 **Soak Time (h):** 77
Traps Sampled: 5
Nearest Chart Reference: Bull Is. (Lower Rivers Inlet)

	Set	Haul
Date	9/9/2004	9/12/2004
Time:	13:55	19:15
Depth:	366	391
Latitude:	51 25.959	51 25.981
Longitude:	127 40.815	127 41.215

Catch

Species	Weight (kg)	N
Rockfish		
Sebastes borealis	3.5	2

Set: W 47 **Soak Time (h):** 17
Traps Sampled: 5
Nearest Chart Reference: Rouse Reef (Fitz Hugh Sound)

	Set	Haul
Date	9/12/2004	9/13/2004
Time:	15:10	8:25
Depth:	168	179
Latitude:	51 28.628	51 28.472
Longitude:	127 47.050	127 46.921

Catch

Species	Weight (kg)	N
Crustacean		
Pandalus platyceros	0.03	1
Selachii		
Hydrolagus colliei	0.7	1

Set: W 48 **Soak Time (h):** 18
Traps Sampled: 5
Nearest Chart Reference: Lower Fitz Hugh Sound Mid

	Set	Haul
Date	9/12/2004	9/13/2004
Time:	15:40	9:20
Depth:	170	172
Latitude:	51 30.261	51 30.450
Longitude:	127 51.458	127 51.503

Catch

Species	Weight (kg)	N
Flatfish		
Hippoglossus stenolepis	4	1

Set: W 49 **Soak Time (h):** 18
Traps Sampled: 5
Nearest Chart Reference: Safety Cove (Fitz Hugh Sound)

	Set	Haul
Date	9/12/2004	9/13/2004
Time:	16:05	10:15
Depth:	124	130
Latitude:	51 32.087	51 32.297
Longitude:	127 53.338	127 53.353

Catch

Set: W 50 **Soak Time (h):** 24
Traps Sampled: 5
Nearest Chart Reference: Welch Is (Fitz Hugh Sound)

	Set	Haul
Date	9/10/2004	9/11/2004
Time:	13:25	13:30
Depth:	123	146
Latitude:	51 30.950	51 31.086
Longitude:	127 41.154	127 40.866

Catch

Species	Weight (kg)	N
Crustacean		
Pandalus platyceros	0.13	5
Echinoderm		
Brisaster latifrons	0.14	7
Roundfish		
Cryptacanthodes giganteus	2	1

Appendix Table 2. (Cont'd)

Set: W 51 **Soak Time (h):** 23
Traps Sampled: 5
Nearest Chart Reference: Morgan Bay (Fitz Hugh Sound)

	Set	Haul
Date	9/9/2004	9/10/2004
Time:	15:40	14:50
Depth:	75	79
Latitude:	51 31.951	51 31.787
Longitude:	127 42.053	127 41.826

Catch

Set: W 52 **Soak Time (h):** 24
Traps Sampled: 5
Nearest Chart Reference: Bosquet Bay (Fitz Hugh Sound)

	Set	Haul
Date	9/9/2004	9/10/2004
Time:	15:15	15:20
Depth:	216	229
Latitude:	51 30.850	51 30.929
Longitude:	127 43.623	127 43.979

Catch

Species	Weight (kg)	N
Echinoderm		
Brisaster latifrons	0.2	9
Rockfish		
Sebastes crameri	0.08	1

Set: W 53 **Soak Time (h):** 23
Traps Sampled: 5
Nearest Chart Reference: Addenbroke Is (Fitz Hugh Sound)

	Set	Haul
Date	9/12/2004	9/13/2004
Time:	17:25	16:05
Depth:	73	119
Latitude:	51 35.831	51 35.793
Longitude:	127 51.392	127 51.091

Catch

Species	Weight (kg)	N
Crustacean		
Pandalus platyceros	0.3	10
Rockfish		
Sebastes maliger	1.5	1
Roundfish		
Malacocottus zonurus	0.06	3
Other		
Porifera		7

Set: W 54 **Soak Time (h):** 21
Traps Sampled: 5
Nearest Chart Reference: Addenbroke Is

	Set	Haul
Date	9/12/2004	9/13/2004
Time:	17:00	14:25
Depth:	351	362
Latitude:	51 36.250	51 36.031
Longitude:	127 53.311	127 53.225

Catch

Set: W 55 **Soak Time (h):** 23
Traps Sampled: 5
Nearest Chart Reference: W. of Addenbroke Is Sound)

	Set	Haul
Date	9/12/2004	9/13/2004
Time:	16:35	15:15
Depth:	274	296
Latitude:	51 36.125	51 36.323
Longitude:	127 54.320	127 54.395

Catch

Species	Weight (kg)	N
Echinoderm		
Holothuroidea	0.04	1

Set: W 56 **Soak Time (h):** 19
Traps Sampled: 5
Nearest Chart Reference: Whidbey Pt (Fitz Hugh

	Set	Haul
Date	9/13/2004	9/14/2004
Time:	12:45	7:45
Depth:	320	331
Latitude:	51 42.826	51 42.633
Longitude:	127 54.293	127 54.253

Catch

Species	Weight (kg)	N
Mollusc		
Enteroctopus dofleini	1	1

Appendix Table 2. (Cont'd)

Set: W 57 **Soak Time (h):** 20
Traps Sampled: 5
Nearest Chart Reference: Upper Fitz Hugh Sound Mid

	Set	Haul
Date	9/13/2004	9/14/2004
Time:	12:24	8:34
Depth:	336	351
Latitude:	51 42.854	51 43.050
Longitude:	127 56.976	127 56.985

Catch

Species	Weight (kg)	N
Roundfish		
Anoplopoma fimbria	2	1

Set: W 58 **Soak Time (h):** 21
Traps Sampled: 5
Nearest Chart Reference: S Kelpie Pt (Fitz Hugh Sound)

	Set	Haul
Date	9/13/2004	9/14/2004
Time:	12:00	9:20
Depth:	285	316
Latitude:	51 42.174	51 42.332
Longitude:	127 58.656	127 58.685

Catch

Set: W 59 **Soak Time (h):** 21
Traps Sampled: 5
Nearest Chart Reference: Robert Arm Junction (Draney Inlet)

	Set	Haul
Date	9/8/2004	9/9/2004
Time:	12:20	9:20
Depth:	119	132
Latitude:	51 26.542	51 26.302
Longitude:	127 27.435	127 27.488

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)		11
Crustacean		
Pandalus platyceros	0.02	1
Mollusc		
Enteroctopus dofleini	1.5	1
Echinoderm		
Holothuroidea	0.05	2

Set: W 60 **Soak Time (h):** 21
Traps Sampled: 5
Nearest Chart Reference: Robert Arm

	Set	Haul
Date	9/8/2004	9/9/2004
Time:	12:40	10:00
Depth:	123	124
Latitude:	51 24.589	51 24.563
Longitude:	127 28.610	127 28.944

Catch

Species	Weight (kg)	N
Crab		
Cancer magister (female)		3
Munida quadrispina	0.18	9

Set: W 61 **Soak Time (h):** 19
Traps Sampled: 5
Nearest Chart Reference: Draney Inlet Junction

	Set	Haul
Date	9/8/2004	9/9/2004
Time:	13:55	8:45
Depth:	137	143
Latitude:	51 26.422	51 26.407
Longitude:	127 25.772	127 25.423

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)		2
Crustacean		
Pandalus platyceros	0.3	13
Echinoderm		
Parastichopus californicus	0.3	1
Mediaster aequalis	0.03	1

Set: W 62 **Soak Time (h):** 18
Traps Sampled: 5
Nearest Chart Reference: Draney Inlet

	Set	Haul
Date	9/8/2004	9/9/2004
Time:	14:20	8:05
Depth:	148	154
Latitude:	51 26.187	51 26.182
Longitude:	127 22.106	127 21.755

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)		4
Chionoecetes bairdi (female)		7
Echinoderm		
Holothuroidea	0.05	1

Appendix Table 2. (Cont'd)

Set: W 63 **Soak Time (h):** 17
Traps Sampled: 5
Nearest Chart Reference: Allard Bay (Draney Inlet)

	Set	Haul
Date	9/8/2004	9/9/2004
Time:	14:35	7:30
Depth:	126	130
Latitude:	51 26.072	51 26.029
Longitude:	127 19.558	127 19.223

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)		6
Chionoecetes bairdi (female)		6
Rockfish		
Sebastes maliger	1	1

Set: W 64 **Soak Time (h):** 16
Traps Sampled: 4
Nearest Chart Reference: Allard Bay

	Set	Haul
Date	9/8/2004	9/9/2004
Time:	14:48	7:00
Depth:	69	82
Latitude:	51 26.176	51 26.300
Longitude:	127 18.949	127 19.238

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)		2
Cancer magister (male)		6
Cancer magister (female)		1
Mollusc		
Enteroctopus dofleini	10	1

Set: W 601 **Soak Time (h):** 24
Traps Sampled: 5
Nearest Chart Reference: Upper Rivers Inlet

	Set	Haul
Date	9/2/2004	9/3/2004
Time:	8:30	8:50
Depth:	41	47
Latitude:	51 40.120	51 40.920
Longitude:	127 16.150	127 16.040

Catch

Species	Weight (kg)	N
Rockfish		
Sebastes maliger	2	3

Set: W 602 **Soak Time (h):** 24
Traps Sampled: 5
Nearest Chart Reference: Kilbella Bay

	Set	Haul
Date	9/2/2004	9/3/2004
Time:	9:25	9:55
Depth:	37	48
Latitude:	51 41.760	51 41.690
Longitude:	127 20.407	127 21.137

Catch

Set: W 603 **Soak Time (h):** 23
Traps Sampled: 5
Nearest Chart Reference: Inrig Bay (Lower Moses Inlet)

	Set	Haul
Date	9/4/2004	9/5/2004
Time:	15:25	14:50
Depth:	33	68
Latitude:	51 46.601	51 46.683
Longitude:	127 26.448	127 26.977

Catch

Species	Weight (kg)	N
Crab		
Munida quadrispina	0.06	2

Set: W 604 **Soak Time (h):** 17
Traps Sampled: 5
Nearest Chart Reference: Upper Moses Inlet

	Set	Haul
Date	9/5/2004	9/6/2004
Time:	17:45	10:55
Depth:	88	91
Latitude:	51 51.433	51 51.493
Longitude:	127 21.384	127 21.715

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (female)		1
Cancer magister (female)		3

Appendix Table 2. (Cont'd)

Set: W 605 **Soak Time (h):** 17
Traps Sampled: 5
Nearest Chart Reference: Upper Moses Inlet

	Set	Haul
Date	9/5/2004	9/6/2004
Time:	17:55	10:35
Depth:	24	40
Latitude:	51 51.596	51 51.741
Longitude:	127 21.290	127 21.722

Catch

Species	Weight (kg)	N
Crab		
Cancer magister (male)		4

Set: W 606 **Soak Time (h):** 20
Traps Sampled: 5
Nearest Chart Reference: Hardy Inlet

	Set	Haul
Date	9/6/2004	9/7/2004
Time:	15:40	12:10
Depth:	53	143
Latitude:	51 42.360	51 42.288
Longitude:	127 39.410	127 38.455

Catch

Species	Weight (kg)	N
Crab		
Cancer magister (male)		10
Cancer magister (female)		18
Munida quadrispina	0.04	2
Crustacean		
Pandalus platyceros	0.02	1
Echinoderm		
Mediaster aequalis	0.05	1
Rockfish		
Sebastes maliger	1.5	1

Set: W 607 **Soak Time (h):** 18
Traps Sampled: 5
Nearest Chart Reference: Hemasila Inlet

	Set	Haul
Date	9/7/2004	9/8/2004
Time:	17:05	10:50
Depth:	31	68
Latitude:	51 31.515	51 30.928
Longitude:	127 35.102	127 35.133

Catch

Species	Weight (kg)	N
Crab		
Cancer magister (male)		1
Cancer magister (female)		5
Echinoderm		
Stylasterias forreri	0.2	2
Crossaster papposus	0.01	1

Set: W 608 **Soak Time (h):** 24
Traps Sampled: 5
Nearest Chart Reference: Draney Inlet

	Set	Haul
Date	9/8/2004	9/9/2004
Time:	11:55	11:35
Depth:	75	80
Latitude:	51 27.249	51 26.575
Longitude:	127 31.989	127 28.800

Catch

Species	Weight (kg)	N
Crab		
Paguridae	0.03	1
Crustacean		
Pandalus platyceros	0.02	1
Echinoderm		
Pycnopodia helianthoides	3	3
Rockfish		
Sebastes maliger	1	1

Set: W 609 **Soak Time (h):** 21
Traps Sampled: 5
Nearest Chart Reference: Robert Arm (Draney Inlet)

	Set	Haul
Date	9/8/2004	9/9/2004
Time:	13:02	10:32
Depth:	24	101
Latitude:	51 24.194	51 24.460
Longitude:	127 32.090	127 29.881

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)		3

Appendix Table 3 Catch by set location and species, Tanner crab trap survey, CCGS NEOCALIGUS, December 2 - 9, 2004.

Set: N 1 **Soak Time (h):** 29
Traps Sampled: 8
Nearest Chart Reference: Darby Channel North

	Set	Haul
Date	12/2/2004	12/3/2004
Time:	7:47	12:30
Depth:	71	73
Latitude:	51 35.310	51 35.154
Longitude:	127 34.218	127 34.098

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)	4.11	8
Cancer magister (male)	13.16	27
Cancer magister (female)	4.53	11
Munida quadrispina	0.09	5
Crustacean		
Pandalus platyceros	0.02	1

Set: N 2 **Soak Time (h):** 27
Traps Sampled: 9
Nearest Chart Reference: Dawson's Landing

	Set	Haul
Date	12/2/2004	12/3/2004
Time:	8:10	11:30
Depth:	78	80
Latitude:	51 33.837	51 33.686
Longitude:	127 35.649	127 35.851

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)	4.50	10
Chionoecetes bairdi (female)	0.26	2
Cancer magister (male)	4.65	10
Cancer magister (female)	2.28	6
Munida quadrispina	1.925	100
Crustacean		
Pandalus platyceros	0.40	18
Echinoderm		
Molpadia intermedia	0.14	1

Set: N 3 **Soak Time (h):** 25
Traps Sampled: 9
Nearest Chart Reference: Darby Channel South

	Set	Haul
Date	12/2/2004	12/3/2004
Time:	8:35	9:40
Depth:	67	70
Latitude:	51 31.712	51 31.561
Longitude:	127 38.114	127 38.356

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)	0.21	1
Cancer magister (male)	0.56	1
Chorilia longipes	0.07	4
Munida quadrispina	0.60	28
Crustacean		
Eualus spp	trace	1
Pandalus hypsinotus	0.11	4
Pandalus platyceros	0.89	20
Echinoderm		
Pycnopodia helianthoides	0.77	1
Rockfish		
Sebastes maliger	0.33	1

Set: N 4 **Soak Time (h):** 24
Traps Sampled: 10
Nearest Chart Reference: Pendleton Island

	Set	Haul
Date	12/2/2004	12/3/2004
Time:	8:50	8:50
Depth:	80	86
Latitude:	51 30.633	51 30.587
Longitude:	127 39.674	127 39.954

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)	1.58	4
Chionoecetes bairdi (female)	0.44	3
Cancer magister (male)	1.25	2
Munida quadrispina	0.14	10
Crustacean		
Eualus spp	trace	1
Pandalus hypsinotus	0.15	9
Pandalus platyceros	3.85	108
Echinoderm		
Ctenodiscus crispatus	trace	1
Stylasterias forreri	0.18	1

Appendix Table 3. (Cont'd)

Set: N 5 **Soak Time (h):** 23
Traps Sampled: 10
Nearest Chart Reference: Welch Island

	Set	Haul
Date	12/2/2004	12/3/2004
Time:	9:05	8:30
Depth:	118	127
Latitude:	51 30.821	51 30.996
Longitude:	127 41.013	127 40.864

Catch

Species	Weight (kg)	N
Crustacean		
Pandalus hypsinotus	0.06	3
Pandalus jordani	0.07	13
Pandalus platyceros	2.09	65
Mollusc		
Gastropoda	trace	1
Echinoderm		
Brisaster latifrons	0.04	1
Stylasterias forreri	0.13	1

Set: N 6 **Soak Time (h):** 22
Traps Sampled: 10
Nearest Chart Reference: N of Edna Mathews Island

	Set	Haul
Date	12/3/2004	12/4/2004
Time:	10:25	8:10
Depth:	130	130
Latitude:	51 36.747	51 36.564
Longitude:	127 33.229	127 33.204

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)	2.23	8
Chionoecetes bairdi (female)	0.60	4
Munida quadrispina	5.08	327
Echinoderm		
Ctenodiscus crispatus	trace	1

Set: N 7 **Soak Time (h):** 22
Traps Sampled: 10
Nearest Chart Reference: E of Bickle Passage

	Set	Haul
Date	12/3/2004	12/4/2004
Time:	11:00	9:00
Depth:	200	200
Latitude:	51 34.852	51 35.048
Longitude:	127 33.628	127 33.522

Catch

Species	Weight (kg)	N
Crab		
Munida quadrispina	2.36	169
Crustacean		
Pandalus platyceros	0.35	8
Mollusc		
Gastropoda	trace	2
Other		
Brachiopoda	trace	1

Set: N 8 **Soak Time (h):** 22
Traps Sampled: 10
Nearest Chart Reference: E of Bickle Passage

	Set	Haul
Date	12/3/2004	12/4/2004
Time:	11:05	9:25
Depth:	100	100
Latitude:	51 34.373	51 34.584
Longitude:	127 33.908	127 33.787

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)	0.39	2
Chionoecetes bairdi (female)	0.42	3
Chorilia longipes	trace	1
Munida quadrispina	1.43	69
Crustacean		
Pandalus platyceros	0.64	14
Echinoderm		
Stylasterias forreri	0.85	2
Rockfish		
Sebastes zacentrus	0.17	1
Roundfish		
Malacocottus zonurus	0.10	1

Appendix Table 3. (Cont'd)

Set: N 9 **Soak Time (h):** 20
Traps Sampled: 10
Nearest Chart Reference: E of Ethel Island

	Set	Haul
Date	12/3/2004	12/4/2004
Time:	13:30	10:0
Depth:	120	120
Latitude:	51 33.856	51 33.628
Longitude:	127 31.369	127 31.394

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)	0.49	2
Munida quadrispina	1.94	108
Paguridae	0.09	1
Crustacean		
Pandalus platyceros	0.33	6
Echinoderm		
Stylasterias forreri	0.90	3

Set: N 10 **Soak Time (h):** 21
Traps Sampled: 10
Nearest Chart Reference: W of Wadhams

	Set	Haul
Date	12/3/2004	12/4/2004
Time:	13:55	10:45
Depth:	120	120
Latitude:	51 30.809	51 30.598
Longitude:	127 31.632	127 31.710

Catch

Species	Weight (kg)	N
Crab		
Munida quadrispina	0.10	11
Crustacean		
Pandalus platyceros	0.70	33
Echinoderm		
Mediaster aequalis	0.10	1

Set: N 11 **Soak Time (h):** 25
Traps Sampled: 9
Nearest Chart Reference: Robert Arm Junction

	Set	Haul
Date	12/4/2004	12/5/2004
Time:	12:15	13:00
Depth:	120	121
Latitude:	51 26.562	51 26.541
Longitude:	127 27.806	127 27.459

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)	0.20	1
Lopholithodes foraminatus (male)	0.86	3
Lopholithodes foraminatus (female)	0.32	2
Munida quadrispina	1.58	70
Crustacean		
Pandalus hypsinotus	0.02	1
Pandalus platyceros	1.43	47
Echinoderm		
Euryalae	0.03	1

Set: N 12 **Soak Time (h):** 24
Traps Sampled: 10
Nearest Chart Reference: Robert Arm

	Set	Haul
Date	12/4/2004	12/5/2004
Time:	12:35	12:20
Depth:	120	120
Latitude:	51 24.991	51 24.817
Longitude:	127 28.436	127 28.604

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)	3.52	13
Chionoecetes bairdi (female)	0.31	2
Cancer magister (male)	0.45	1
Cancer magister (female)	0.71	1
Munida quadrispina	1.37	75
Crustacean		
Pandalus platyceros	1.32	36
Flatfish		
Lyopsetta exilis	0.03	1

Appendix Table 3. (Cont'd)

Set: N 13 **Soak Time (h):** 22
Traps Sampled: 9
Nearest Chart Reference: Draney Inlet Mid Channel

	Set	Haul
Date	12/4/2004	12/5/2004
Time:	13:15	11:15
Depth:	150	153
Latitude:	51 26.240	51 26.207
Longitude:	127 22.604	127 22.163

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)	1.73	6
Chionoecetes bairdi (female)	0.23	2
Cancer magister (male)	0.57	1
Cancer magister (female)	0.42	1
Crustacean		
Pandalopsis dispar	0.02	2
Pandalus borealis	0.06	6
Pandalus platyceros	1.39	50

Set: N 14 **Soak Time (h):** 21
Traps Sampled: 10
Nearest Chart Reference: Allard Bay

	Set	Haul
Date	12/4/2004	12/5/2004
Time:	13:30	10:30
Depth:	118	120
Latitude:	51 26.239	51 26.217
Longitude:	127 19.746	127 19.414

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)	7.98	23
Chionoecetes bairdi (female)	1.54	10
Cancer magister (female)	1.18	4
Crustacean		
Pandalus borealis	trace	1
Pandalus hypsinotus	0.03	1
Pandalus platyceros	0.62	14

Set: N 15 **Soak Time (h):** 20
Traps Sampled: 10
Nearest Chart Reference: Allard Bay

	Set	Haul
Date	12/4/2004	12/5/2004
Time:	13:40	9:45
Depth:	90	92
Latitude:	51 26.281	51 26.197
Longitude:	127 19.332	127 19.059

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)	6.65	22
Chionoecetes bairdi (female)	1.56	10
Cancer magister (male)	0.42	3
Cancer magister (female)	0.08	1
Crustacean		
Pandalus hypsinotus	0.15	4
Pandalus jordani	0.14	14
Pandalus platyceros	0.32	7

Set: N 16 **Soak Time (h):** 23
Traps Sampled: 10
Nearest Chart Reference: Shotbolt Bay

	Set	Haul
Date	12/5/2004	12/6/2004
Time:	15:25	14:20
Depth:	150	170
Latitude:	51 39.370	51 39.342
Longitude:	127 21.327	127 21.022

Catch

Species	Weight (kg)	N
Crab		
Lopholithodes foraminatus (male)	0.67	1
Lopholithodes foraminatus (female)	0.11	1
Munida quadrispina	1.47	150
Crustacean		
Pandalus platyceros	0.74	20
Mollusc		
Octopus rubescens	1.50	1

Appendix Table 3. (Cont'd)

Set: N 17 **Soak Time (h):** 22
Traps Sampled: 10
Nearest Chart Reference: W of MacTavish Creek

	Set	Haul
Date	12/5/2004	12/6/2004
Time:	15:40	13:40
Depth:	117	120
Latitude:	51 40.096	51 40.153
Longitude:	127 18.873	127 18.694

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)	1.74	7
Chionoecetes bairdi (female)	0.64	5
Munida quadrispina	0.58	69
Crustacean		
Pandalus platyceros	2.33	64
Mollusc		
Gastropoda	trace	1

Set: N 18 **Soak Time (h):** 21
Traps Sampled: 10
Nearest Chart Reference: Head of Wannock River

	Set	Haul
Date	12/5/2004	12/6/2004
Time:	15:50	13:00
Depth:	170	170
Latitude:	51 40.407	51 40.485
Longitude:	127 17.519	127 17.245

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)	3.03	8
Chionoecetes bairdi (female)	1.00	6
Cancer magister (male)	0.48	1
Cancer magister (female)	1.27	2
Munida quadrispina	1.76	126
Crustacean		
Pandalus platyceros	0.15	6
Mollusc		
Gastropoda	0.04	34
Echinoderm		
Brisaster latifrons	0.03	1
Ctenodiscus crispatus	0.03	2

Set: N 19 **Soak Time (h):** 19
Traps Sampled: 10
Nearest Chart Reference: Head of Wannock River

	Set	Haul
Date	12/5/2004	12/6/2004
Time:	16:10	11:30
Depth:	100	118
Latitude:	51 40.335	51 40.515
Longitude:	127 16.440	127 16.335

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)	0.54	2
Chionoecetes bairdi (female)	0.68	4
Cancer magister (male)	1.97	2
Cancer magister (female)	0.54	1
Munida quadrispina	0.07	5
Crustacean		
Pandalus platyceros	2.15	113
Mollusc		
Fusitriton oregonensis	0.09	1
Selachii		
Squalus acanthias	2.73	2

Set: N 20 **Soak Time (h):** 20
Traps Sampled: 10
Nearest Chart Reference: Upper Rivers Inlet (N Shore)

	Set	Haul
Date	12/5/2004	12/6/2004
Time:	16:10	12:30
Depth:	100	120
Latitude:	51 41.061	51 41.101
Longitude:	127 17.287	127 17.645

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)	1.92	6
Chionoecetes bairdi (female)	0.29	2
Cancer magister (female)	0.58	1
Munida quadrispina	0.05	7
Crustacean		
Pandalus platyceros	2.32	66

Appendix Table 3. (Cont'd)

Set: N 21 **Soak Time (h):** 20
Traps Sampled: 10
Nearest Chart Reference: Inrig Bay (Lower Moses Inlet)

	Set	Haul
Date	12/6/2004	12/7/2004
Time:	15:50	10:20
Depth:	125	127
Latitude:	51 46.455	51 46.567
Longitude:	127 26.592	127 26.793

Catch

Species	Weight (kg)	N
Crab		
Cancer magister (male)	3.33	10
Cancer magister (female)	1.56	7
Munida quadrispina	0.83	47
Crustacean		
Pandalus platyceros	0.35	7

Set: N 22 **Soak Time (h):** 17
Traps Sampled: 10
Nearest Chart Reference: Penelope Pt (Upper Moses Inlet)

	Set	Haul
Date	12/6/2004	12/7/2004
Time:	16:15	9:40
Depth:	201	207
Latitude:	51 47.818	51 48.063
Longitude:	127 23.478	127 23.351

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (female)	0.36	2
Chorilia longipes	0.03	1
Crustacean		
Pandalopsis dispar	trace	1
Mollusc		
Gastropoda	trace	1

Set: N 23 **Soak Time (h):** 16
Traps Sampled: 10
Nearest Chart Reference: Eberts Cove (Upper Moses Inlet)

	Set	Haul
Date	12/6/2004	12/7/2004
Time:	16:30	9:00
Depth:	127	130
Latitude:	51 49.561	51 49.785
Longitude:	127 21.718	127 21.553

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)	0.23	2
Cancer magister (male)	0.96	3
Cancer magister (female)	1.87	6
Munida quadrispina	0.11	12
Crustacean		
Pandalus platyceros	1.64	47

Set: N 24 **Soak Time (h):** 16
Traps Sampled: 10
Nearest Chart Reference: Opp. Eberts Cove

	Set	Haul
Date	12/6/2004	12/7/2004
Time:	16:40	8:45
Depth:	110	120
Latitude:	51 49.933	51 50.092
Longitude:	127 22.239	127 22.191

Catch

Species	Weight (kg)	N
Crab		
Chorilia longipes	0.02	1
Crustacean		
Pandalus montagui tridens	0.04	6
Echinoderm		
Ctenodiscus crispatus	0.03	1

Appendix Table 3. (Cont'd)

Set: N 25 **Soak Time (h):** 16
Traps Sampled: 8
Nearest Chart Reference: Top end of Upper Moses Inlet

	Set	Haul
Date	12/6/2004	12/7/2004
Time:	16:50	8:25
Depth:	110	115
Latitude:	51 50.527	51 50.720
Longitude:	127 21.444	127 21.513

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (female)	0.14	1
Crustacean		
Pandalus montagui tridens	trace	1
Pandalus platyceros	0.06	1
Mollusc		
Gastropoda	trace	
Rockfish		
Sebastes maliger	0.83	1
Sebastes ruberrimus	1.06	1

Set: N 26 **Soak Time (h):** 44
Traps Sampled: 10
Nearest Chart Reference: Dawson's Landing

	Set	Haul
Date	12/7/2004	12/9/2004
Time:	12:25	8:50
Depth:	77	82
Latitude:	51 32.822	51 32.528
Longitude:	127 37.201	127 37.497

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)	0.79	2
Cancer magister (male)	5.91	12
Munida quadrispina	1.25	60
Crustacean		
Pandalus platyceros	0.37	14

Set: N 27 **Soak Time (h):** 45
Traps Sampled: 10
Nearest Chart Reference: Darby Channel North

	Set	Haul
Date	12/7/2004	12/9/2004
Time:	12:40	9:30
Depth:	74	76
Latitude:	51 34.646	51 35.094
Longitude:	127 34.653	127 34.349

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)	8.83	15
Cancer magister (male)	40.71	93
Cancer magister (female)	8.25	25
Munida quadrispina	0.19	11
Crustacean		
Pandalus platyceros	0.39	14

Set: N 28 **Soak Time (h):** 45
Traps Sampled: 8
Nearest Chart Reference: E of Bickle Passage

	Set	Haul
Date	12/7/2004	12/9/2004
Time:	15:10	12:30
Depth:	192	204
Latitude:	51 35.048	51 34.705
Longitude:	127 33.522	127 33.576

Catch

Species	Weight (kg)	N
Crab		
Munida quadrispina	1.17	76

Appendix Table 3. (Cont'd)

Set: N 29 **Soak Time (h):** 44
Traps Sampled: 11
Nearest Chart Reference: Darby Channel North

	Set	Haul
Date	12/7/2004	12/9/2004
Time:	15:30	11:00
Depth:	67	69
Latitude:	51 35.310	51 35.514
Longitude:	127 34.218	127 34.098

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)	1.21	2
Cancer magister (male)	20.54	44
Cancer magister (female)	6.57	17
Munida quadrispina	0.34	18
Crustacean		
Pandalus hypsinotus	0.04	1
Pandalus platyceros	0.23	8

Set: N 30 **Soak Time (h):** 40
Traps Sampled: 10
Nearest Chart Reference: Darby Channel South

	Set	Haul
Date	12/7/2004	12/9/2004
Time:	16:10	8:10
Depth:	67	70
Latitude:	51 31.581	51 31.712
Longitude:	127 38.356	127 38.114

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)	0.52	2
Chionoecetes bairdi (female)	0.17	1
Chorilia longipes	0.05	2
Hyas lyratus	0.26	4
Munida quadrispina	0.81	37
Crustacean		
Pandalus platyceros	1.21	36
Echinoderm		
Ctenodiscus crispatus	0.06	3

Appendix Table 4. Catch by set location and species, Tanner crab trawl survey, CCGS NEOCALIGUS, December 2 - 9, 2004.

Set:	N 101	**Date:**	12/2	**Set:**	N 102	**Date:**	12/2
Tow Speed:	2.3	**Tow Direction:**	265	**Tow Speed:**	2	**Tow Direction:**	212
Duration:	15	**Tow Distance:**	0.5	**Duration:**	9	**Tow Distance:**	0.35
Nearest Chart Reference:	Welch Island			**Nearest Chart Reference:**	Darby Channel South		
	Start	**Finish**			**Start**	**Finish**	
Time:	9:43	9:57		**Time:**	12:49	13:04	
Depth:	167	188		**Depth:**	68	71	
Latitude:	51 30.764	51 30.741		**Latitude:**	51 32.830	51 32.640	
Longitude:	127 42.074	127 42.799		**Longitude:**	127 37.168	127 37.407	

Catch			**Catch**		
Species	**Weight (kg)**	**N**	**Species**	**Weight (kg)**	**N**
Crab			**Crab**		
Chionoecetes bairdi (male)	0.39	2	*Chionoecetes bairdi* (male)	0.03	1
Chionoecetes bairdi (female)	0.26	2	*Chionoecetes bairdi* (female)	0.08	2
Chorilia longipes	0.05		*Cancer magister* (male)	0.26	1
Munida quadrispina	trace		*Cancer magister* (female)	1.41	5
Paguridae	trace		*Munida quadrispina*	trace	
Crustacean			**Crustacean**		
Crangon communis	0.10		*Pandalus hypsinotus*	0.05	
Pandalopsis dispar	13.51		*Eualus spp*	trace	
Pandalus platyceros	0.10		*Pandalus jordani*	trace	
Pandalus borealis	0.87		*Pandalus platyceros*	0.04	
Pandalus jordani	0.10		*Pandalus borealis*	trace	
Eualus spp	trace		*Pandalopsis dispar*	0.31	
Mollusc			*Crangon communis*	0.10	
Loligo opalescens	trace		**Echinoderm**		
Berryteuthis magister	1.30		*Ctenodiscus crispatus*	0.07	
Echinoderm			**Rockfish**		
Solaster stimpsoni	0.07		*Sebastes proriger*	0.07	
Ctenodiscus crispatus	0.47		**Flatfish**		
Brisaster latifrons	13.19		*Glyptocephalus zachirus*	0.17	
Molpadia intermedia	trace		*Lyopsetta exilis*	4.32	
Rockfish			*Hippoglossoides elassodon*	21.36	
Sebastes saxicola	0.15	2	*Parophrys vetulus*	0.17	
Sebastes crameri	0.37	3	*Microstomus pacificus*	0.76	
Flatfish			**Selachii**		
Parophrys vetulus	1.95		*Hydrolagus colliei*	6.03	
Microstomus pacificus	0.84		**Roundfish**		
Hippoglossoides elassodon	22.78		*Lycodes brevipes*	0.24	
Lyopsetta exilis	14.08		*Lumpenella longirostris*	0.18	
Atheresthes stomias	1.17		*Lycodes pacificus*	6.76	
Glyptocephalus zachirus	5.07		*Rhacochilus vacca*	0.14	
Selachii			*Microgadus proximus*	2.35	
Hydrolagus colliei	2.44		*Cymatogaster aggregata*	2.61	
Raja rhina	0.10		*Ophiodon elongatus*	0.08	
Roundfish			*Merluccius productus*	5.93	
Anoplopoma fimbria	1.73		*Leptoclinus maculatus*	trace	
Merluccius productus	4.93		*Theragra chalcogramma*	1.67	
Gadus macrocephalus	1.86				
Theragra chalcogramma	trace				
Lycodes pacificus	0.37				
Lumpenella longirostris	1.93				
Bathyagonus nigripinnis	0.13				
Dasycottus setiger	0.66				

Appendix Table 4. (Cont'd)

Set:	N 103	**Date:**	12/2
Tow Speed:	2.0	**Tow Direction:**	200
Duration:	12	**Tow Distance:**	0.49

Nearest Chart Reference: W of Bickle Pass (Darby Channel)

	Start	Finish
Time:	14:47	14:59
Depth:	75	78
Latitude:	51 35.035	51 34.693
Longitude:	127 34.391	127 34.640

Catch Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)	2.50	5
Chionoecetes bairdi (female)	3.18	18
Cancer magister (male)	1.77	4
Cancer magister (female)	2.61	10
Munida quadrispina	31.32	
Crustacean		
Crangon communis	0.20	
Eualus spp	trace	
Pandalus jordani	1.55	
Pandalus hypsinotus	0.16	
Pandalopsis dispar	trace	
Pandalus platyceros	0.39	
Mollusc		
Rossia pacifica	trace	
Echinoderm		
Ctenodiscus crispatus	trace	
Rockfish		
Sebastes crameri	0.10	
Sebastes saxicola	0.06	
Sebastes proriger	0.35	
Flatfish		
Lyopsetta exilis	4.82	
Parophrys vetulus	0.20	
Microstomus pacificus	0.20	
Hippoglossoides elassodon	13.75	
Platichthys stellatus	5.11	
Selachii		
Hydrolagus colliei	5.72	
Roundfish		
Rhacochilus vacca	0.67	
Lycodes brevipes	0.03	
Microgadus proximus	1.41	
Lycodes pacificus	4.03	
Leptocottus armatus	0.19	
Merluccius productus	5.43	
Theragra chalcogramma	6.41	
Dasycottus setiger	trace	
Radulinus asprellus	trace	
Ophiodon elongatus	0.14	
Cymatogaster aggregata	3.15	

Set:	N 104	**Date:**	12/3
Tow Speed:	1.7	**Tow Direction:**	349
Duration:	15	**Tow Distance:**	0.50

Nearest Chart Reference: The Haystack (Middle Rivers Inlet)

	Start	Finish
Time:	14:17	14:32
Depth:	333	334
Latitude:	51 32.537	51 33.014
Longitude:	127 33.068	127 33.222

Catch Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)	0.62	1
Chionoecetes bairdi (female)	0.13	1
Cancer magister (male)	0.16	1
Cancer magister (female)	0.28	1
Munida quadrispina	0.81	1
Crustacean		
Pandalopsis dispar	2.58	
Eualus spp	trace	
Mollusc		
Gastropoda	0.03	
Octopus rubescens	2.07	
Echinoderm		
Pseudarchaster dissonus	0.29	
Molpadia intermedia	0.06	
Brisaster latifrons	11.34	
Rockfish		
Sebastes proriger	0.06	
Flatfish		
Microstomus pacificus	3.71	
Hippoglossoides elassodon	0.38	
Glyptocephalus zachirus	0.03	
Lyopsetta exilis	0.77	
Atheresthes stomias	0.23	
Selachii		
Hydrolagus colliei	8.14	
Raja rhina	1.14	
Squalus acanthias	8.21	
Roundfish		
Bothrocara pusillum	trace	
Theragra chalcogramma	1.37	
Merluccius productus	7.33	
Lycodes diapterus	0.32	
Anoplopoma fimbria	2.78	
Other Inverts.		
Actiniaria	0.07	

Appendix Table 4. (Cont'd)

Set:	N 105	**Date:**	12/3
Tow Speed:	2.5	**Tow Direction:**	192
Duration:	4	**Tow Distance:**	0.20

Nearest Chart Reference: Ethel Island (Middle Rivers Inlet)

	Start	Finish
Time:	15:39	15:43
Depth:	160	163
Latitude:	51 32.953	51 32.859
Longitude:	127 31.396	127 31.443

Catch Species	Weight (kg)	N
Crab		
Munida quadrispina	0.06	
Crustacean		
Crangon communis	trace	
Eualus spp	trace	
Pandalopsis dispar	0.80	
Pandalus jordani	trace	
Mollusc		
Gastropoda	trace	
Echinoderm		
Molpadia intermedia	0.22	
Ctenodiscus crispatus	trace	
Brisaster latifrons	1.30	
Flatfish		
Lyopsetta exilis	0.32	
Glyptocephalus zachirus	0.11	
Selachii		
Hydrolagus colliei	2.59	
Raja rhina	2.69	
Roundfish		
Merluccius productus	1.27	
Theragra chalcogramma	1.33	
Elassodiscus caudatus	trace	
Other Inverts.		
Porifera	trace	
Actiniaria	0.10	

Set:	N 109	**Date:**	12/5
Tow Speed:	2.2	**Tow Direction:**	273
Duration:	15	**Tow Distance:**	0.60

Nearest Chart Reference: Allard Bay (Draney Inlet)

	Start	Finish
Time:	8:14	8:29
Depth:	145	146
Latitude:	51 26.160	51 26.203
Longitude:	127 20.319	127 21.189

Catch Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)	1.10	3
Chionoecetes bairdi (female)	0.21	1
Munida quadrispina	0.02	
Crustacean		
Pandalus borealis	0.20	
Pandalus montagui tridens	trace	
Pandalus hypsinotus	trace	
Crangon communis	0.10	
Eualus spp	0.05	
Pandalus platyceros	0.90	
Pandalopsis dispar	2.43	
Mollusc		
Berryteuthis magister	0.50	
Echinoderm		
Brisaster latifrons	0.10	
Molpadia intermedia	trace	
Ctenodiscus crispatus	trace	
Leptosynapta transgressor	trace	
Rockfish		
Sebastes proriger	0.23	
Sebastes zacentrus	0.49	
Flatfish		
Lyopsetta exilis	22.08	
Glyptocephalus zachirus	0.05	
Hippoglossoides elassodon	1.14	
Microstomus pacificus	0.52	
Parophrys vetulus	3.98	
Selachii		
Squalus acanthias	1.83	
Hydrolagus colliei	3.57	
Roundfish		
Dasycottus setiger	0.12	
Bathyagonus nigripinnis	0.16	
Cymatogaster aggregata	trace	
Theragra chalcogramma	4.30	
Merluccius productus	0.11	
Lycodes pacificus	0.44	
Lumpenella longirostris	1.39	
Other Inverts.		
Scyphozoa	trace	

Appendix Table 4. (Cont'd)

Set:	N 110	**Date:**	12/6	**Set:**	N 111	**Date:**	12/6
Tow Speed:	2.4	**Tow Direction:**	245	**Tow Speed:**	2.0	**Tow Direction:**	253
Duration:	6	**Tow Distance:**	0.20	**Duration:**	15	**Tow Distance:**	0.50
Nearest Chart Reference:	Wannock River (Upper Rivers Inlet)			**Nearest Chart Reference:**	McTavish Creek (Upper Rivers Inlet)		
	Start	**Finish**			**Start**	**Finish**	
Time:	7:56	8:02		**Time:**	8:57	9:12	
Depth:	166	167		**Depth:**	190	206	
Latitude:	51 40.663	51 40.632		**Latitude:**	51 40.259	51 40.143	
Longitude:	127 17.611	127 17.908		**Longitude:**	127 19.037	127 19.945	

Catch			**Catch**		
Species	**Weight (kg)**	**N**	**Species**	**Weight (kg)**	**N**
Crab			**Crab**		
Chionoecetes bairdi (male)	0.66	2	*Chionoecetes bairdi* (female)	0.02	1
Munida quadrispina	0.96		*Chorilia longipes*	trace	
Paguridae	trace		*Munida quadrispina*	0.02	
Crustacean			**Crustacean**		
Pandalus borealis	trace		*Argis ovifera*	trace	
Pandalus platyceros	0.30		*Pasiphaea pacifica*	trace	
Eualus spp	trace		*Pandalus montagui tridens*	0.07	
Pandalopsis dispar	0.98		*Crangon communis*	0.10	
Crangon communis	0.07		*Pandalopsis dispar*	5.28	
Argis ovifera	trace		*Pandalus platyceros*	1.05	
Pasiphaea pacifica	trace		*Pandalus borealis*	0.49	
Mollusc			**Mollusc**		
Berryteuthis magister	0.19		*Gastropoda*	0.06	
Echinoderm			*Pectinidae*	0.10	
Ctenodiscus crispatus	0.02		*Berryteuthis magister*	0.58	
Brisaster latifrons	0.13		*Octopus rubescens*	0.11	
Rockfish			**Echinoderm**		
Sebastes proriger	0.06		*Allocentrotus fragilis*	0.42	
Flatfish			*Pseudarchaster dissonus*	trace	
Lyopsetta exilis	6.14		*Palaeotaxodonta*	2.40	
Selachii			**Rockfish**		
Hydrolagus colliei	4.03		*Sebastes zacentrus*	0.24	
Squalus acanthias	4.07		**Flatfish**		
Roundfish			*Lyopsetta exilis*	4.07	
Dasycottus setiger	0.03		*Glyptocephalus zachirus*	0.12	
Merluccius productus	1.18		**Selachii**		
Psychrolutes paradoxus	trace		*Hydrolagus colliei*	2.28	
Xeneretmus latifrons	0.03		*Squalus acanthias*	1.54	
Bathyagonus nigripinnis	trace		**Roundfish**		
Lycodes pacificus	trace		*Bothrocara pusillum*	trace	
			Malacocottus zonurus	0.04	
			Dasycottus setiger	0.20	
			Xeneretmus latifrons	0.06	
			Leptocottus armatus	0.21	
			Theragra chalcogramma	1.55	
			Merluccius productus	19.07	
			Other Inverts.		
			Actiniaria	2.12	
			Isopoda	trace	
			Brachiopoda	0.10	

Appendix Table 5. Catch by set location and species, Tanner crab beam trawl survey, CCGS NEOCALIGUS, December 2 - 9, 2004.

Set:	N 106	**Date**	12/4/2004	**Set:**	N 107	**Date:**	12/4/2004
Tow Speed:		**Tow Direction:**		**Tow Speed:**		**Tow Direction:**	
Duration:		**Tow Distance:**	0.3	**Duration:**		**Tow Distance:**	0.3
Nearest Chart Reference:	Allard Bay (Draney Inlet)			**Nearest Chart Reference:**	Allard Bay (Draney Inlet)		
	Start	**Finish**			**Start**	**Finish**	
Time:	14:00	:		**Time:**	15:30	:	
Depth:	43	43		**Depth:**	68	68	
Latitude:	51 25.934	51 25.767		**Latitude:**	51 25.767	51 26.109	
Longitude:	127 18.575	127 18.659		**Longitude:**	127 18.659	127 18.862	

Catch			**Catch**		
Species	**Weight (kg)**	**N**	**Species**	**Weight (kg)**	**N**
Crab			**Crab**		
Chionoecetes bairdi (female)	0.14	1	*Chionoecetes bairdi* (male)	0.13	2
Cancer magister (male)	0.30	1	*Chionoecetes bairdi* (female)	0.03	1
Munida quadrispina	0.05		*Munida quadrispina*	0.10	
Crustacean			**Crustacean**		
Pandalus hypsinotus	0.22		*Eualus spp*	trace	
Pandalus platyceros	0.83		*Crangon communis*	trace	
Argis ovifera	0.02		*Pandalopsis dispar*	0.24	
Eualus spp	trace		*Pandalus hypsinotus*	0.12	
Roundfish			*Pandalus platyceros*	0.05	
Xeneretmus latifrons	0.01		**Mollusc**		
Theragra chalcogramma	trace		*Bivalvia*	trace	
Icelinus tenuis	trace		*Rossia pacifica*	trace	
Other Inverts.			**Flatfish**		
Scyphozoa	trace		*Parophrys vetulus*	0.15	
			Lyopsetta exilis	0.16	
			Hippoglossoides elassodon	0.30	
			Roundfish		
			Theragra chalcogramma	0.74	
			Hemilepidotus hemilepidotus	0.04	
			Lycodes pacificus	trace	
			Xeneretmus latifrons	0.03	
			Other Inverts.		
			Brachiopoda	trace	
			Scyphozoa	trace	

Appendix Table 5. (Cont'd)

Set:	N 108	**Date:**	12/4/2004	**Set:**	N 112	**Date:**	12/6/2004
Tow Speed:		**Tow Direction:**		**Tow Speed:**		**Tow Direction:**	
Duration:		**Tow Distance:**	0.23	**Duration:**		**Tow Distance:**	0.2
Nearest Chart Reference:	Allard Bay (Draney Inlet)			**Nearest Chart Reference:**	Wannock River (Upper Rivers Inlet)		
	Start	**Finish**			**Start**	**Finish**	
Time:	16:00	:		**Time:**	10:30	10:45	
Depth:	102	102		**Depth:**	50	50	
Latitude:	51 26.109	51 25.897		**Latitude:**	51 40.186	51 40.374	
Longitude:	127 18.862	127 18.875		**Longitude:**	127 16.135	127 16.167	

Catch			**Catch**		
Species	**Weight (kg)**	**N**	**Species**	**Weight (kg)**	**N**
Crab			**Crab**		
Munida quadrispina	0.14		*Chionoecetes bairdi* (male)	0.02	6
Crustacean			*Chionoecetes bairdi* (female)	0.05	6
Pandalus hypsinotus	0.02		*Munida quadrispina*	trace	
Pandalus jordani	0.18		*Paguridae*	trace	
Pandalopsis dispar	0.03		**Crustacean**		
Mollusc			*Eualus spp*	trace	
Rossia pacifica	0.04		*Crangon communis*	0.05	
Flatfish			*Pandalus platyceros*	0.28	
Lyopsetta exilis	0.30		*Pandalus hypsinotus*	0.02	
Roundfish			**Mollusc**		
Merluccius productus	0.02		*Compsomyax subdiaphana*	trace	
Lycodes pacificus	trace		*Octopus rubescens*	trace	
Hemilepidotus hemilepidotus	0.08		*Megayoldia thraciaeformis*	trace	
			Yoldia seminuda	trace	
			Acila castrensis	trace	
			Macoma spp	trace	
			Rossia pacifica	trace	
			Echinoderm		
			Phrynophiurida	trace	
			Holothuroidea	trace	
			Luidia foliolata	trace	
			Flatfish		
			Lyopsetta exilis	0.14	
			Selachii		
			Hydrolagus colliei	0.15	
			Roundfish		
			Xeneretmus latifrons	trace	
			Cryptacanthodes aleutensis	trace	
			Merluccius productus	trace	
			Lycodes pacificus	0.02	
			Poroclinus rothrocki	trace	
			Other Inverts.		
			Actiniaria	0.22	

Appendix Table 5. (Cont'd)

Set:	N 113	**Date:**	12/8/2004
Tow Speed:		**Tow Direction:**	
Duration:		**Tow Distance:**	
Nearest Chart Reference:	Darby Channel South		
	Start	**Finish**	
Time:	9:45	10:05	
Depth:	50	50	
Latitude:	51 32.954	51 32.842	
Longitude:	127 37.288	127 37.435	

Catch		
Species	**Weight (kg)**	**N**
Crab		
Chionoecetes bairdi (male)	0.21	16
Chionoecetes bairdi (female)	0.02	12
Chorilia longipes	trace	
Munida quadrispina	0.03	
Paguridae	trace	
Crustacean		
Pandalus jordani	0.17	
Crangon communis	0.06	
Pandalus platyceros	0.03	
Pandalus hypsinotus	0.04	
Euphausiacea	trace	
Spirontocaris lamellicornis	0.01	
Mollusc		
Macoma spp	trace	
Megayoldia thraciaeformis	trace	
Patellacea	trace	
Pandora filosa	trace	
Bivalvia	trace	
Austrotindaria gibbsii	trace	
Nuculana cellulita	trace	
Rossia pacifica	trace	
Nuculana pernula	trace	
Cardiomya pectinata	trace	
Lucinoma annulatum	trace	
Yoldia seminuda	trace	
Compsomyax subdiaphana	trace	
Clinocardium blandum	trace	
Cyclocardia ventricosa	trace	
Echinoderm		
Stylasterias forreri	0.09	
Mediaster aequalis	0.20	
Strongylocentrotus droebachiensis	trace	
Phrynophiurida	trace	
Rockfish		
Sebastes elongatus	0.15	
Flatfish		
Lyopsetta exilis	trace	
Microstomus pacificus	trace	
Roundfish		
Xeneretmus latifrons	trace	
Theragra chalcogramma	trace	
Radulinus asprellus	0.03	
Dasycottus setiger	trace	
Other Inverts.		
Scyphozoa	trace	
Crinodea	trace	
Actiniaria	0.15	

Set:	N 114	**Date:**	12/8/2004
Tow Speed:		**Tow Direction:**	
Duration:		**Tow Distance:**	
Nearest Chart Reference:	Darby Channel Mid		
	Start	**Finish**	
Time:	12:10	12:35	
Depth:	50	50	
Latitude:	51 33.593	51 33.508	
Longitude:	127 36.27	127 36.477	

Catch		
Species	**Weight (kg)**	**N**
Crab		
Chionoecetes bairdi (male)	0.35	6
Chionoecetes bairdi (female)	0.49	2
Munida quadrispina	0.03	
Paguridae	trace	
Crustacean		
Pandalus hypsinotus	0.04	
Eualus spp	trace	
Pandalopsis dispar	0.04	
Crangon communis	0.04	
Pandalus jordani	trace	
Mollusc		
Macoma spp	trace	
Megayoldia thraciaeformis	trace	
Cyclocardia ventricosa	trace	
Pandora filosa	trace	
Lucinoma annulatum	trace	
Bivalvia	trace	
Cardiomya pectinata	trace	
Clinocardium blandum	trace	
Austrotindaria gibbsii	trace	
Compsomyax subdiaphana	trace	
Yoldia seminuda	trace	
Flatfish		
Lyopsetta exilis	trace	
Roundfish		
Lycodes pacificus	trace	

Appendix Table 5. (Cont'd)

Set: N 115	**Date:** 12/8/2004		**Set:** N 116	**Date:** 12/8/2004	
Tow Speed:	**Tow Direction:**		**Tow Speed:**	**Tow Direction:**	
Duration:	**Tow Distance:**		**Duration:**	**Tow Distance:**	
Nearest Chart Reference: Darby Channel Mid			**Nearest Chart Reference:** Dawson;s Landing (Darby Channel)		
	Start	**Finish**		**Start**	**Finish**
Time:	15:00	15:15	**Time:**	15:45	16:00
Depth:	60	60	**Depth:**	70	70
Latitude:	51 35.544	51 35.375	**Latitude:**	51 33.521	51 33.599
Longitude:	127 34.244	127 34.305	**Longitude:**	127 35.743	127 35.993

Catch			**Catch**		
Species	**Weight (kg)**	**N**	**Species**	**Weight (kg)**	**N**
Crab			**Crab**		
Chionoecetes bairdi (female)	trace	1	*Munida quadrispina*	0.08	
Cancer magister (male)	0.99	2	**Crustacean**		
Munida quadrispina	2.07		*Eualus suckleyi*	trace	
Crustacean			*Pandalus borealis*	trace	
Crangon communis	trace		*Crangon communis*	trace	
Pandalus hypsinotus	0.02		**Mollusc**		
Pandalus jordani	0.09		*Bivalvia*	trace	
Pandalus platyceros	trace		**Echinoderm**		
Mollusc			*Holothuroidea*	trace	
Polyplacophora	trace		**Flatfish**		
Bivalvia	trace		*Hippoglossoides elassodon*	0.24	
Rossia pacifica	trace		**Roundfish**		
Echinoderm			*Lycodes brevipes*	trace	
Phrynophiurida	trace		*Radulinus asprellus*	0.02	
Flatfish			**Other Inverts.**		
Microstomus pacificus	trace		*Scyphozoa*	trace	
Hippoglossoides elassodon	0.01				
Roundfish					
Lycodes pacificus	0.03				
Theragra chalcogramma	trace				

Appendix Table 6. Catch by set location and species, Tanner crab trap survey, CCGS NEOCALIGUS, March 17 - 24, 2005.

Set: N 1 **Soak Time (h):** 19
Traps Sampled: 10
Nearest Chart Reference: Darby Channel North

	Set	Haul
Date	3/17/2005	3/18/2005
Time:	12:00	7:20
Depth:	68	74
Latitude:	51 35.462	51 35.252
Longitude:	127 34.147	127 34.240

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)	5.03	8
Cancer magister (male)	10.85	23
Cancer magister (female)	5.15	15
Munida quadrispina	0.05	3
Crustacean		
Pandalus platyceros	0.30	9
Pandalus hypsinotus	0.11	5

Set: N 2 **Soak Time (h):** 20
Traps Sampled: 10
Nearest Chart Reference: Bickle Pass West

	Set	Haul
Date	3/17/2005	3/18/2005
Time:	12:15	8:20
Depth:	75	78
Latitude:	51 35.094	51 34.897
Longitude:	127 34.349	127 34.511

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)	18.44	38
Cancer magister (male)	14.53	33
Cancer magister (female)	7.66	25
Munida quadrispina	0.46	22
Crustacean		
Pandalus borealis	trace	1
Pandalus platyceros	0.68	19

Set: N 3 **Soak Time (h):** 22
Traps Sampled: 9
Nearest Chart Reference: Dawson's Landing

	Set	Haul
Date	3/17/2005	3/18/2005
Time:	12:30	10:30
Depth:	79	84
Latitude:	51 33.837	51 33.718
Longitude:	127 35.649	127 35.808

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)	21.67	36
Cancer magister (male)	7.49	15
Cancer magister (female)	2.41	7
Munida quadrispina	0.10	6
Crustacean		
Pandalus platyceros	0.92	27
Pandalus montagui tridens	trace	1
Pandalus hypsinotus	trace	1
Roundfish		
Cryptacanthodes giganteus	1.15	1

Set: N 4 **Soak Time (h):** 24
Traps Sampled: 10
Nearest Chart Reference: Darby Channel Mid

	Set	Haul
Date	3/17/2005	3/18/2005
Time:	12:40	12:20
Depth:	76	78
Latitude:	51 32.822	51 32.669
Longitude:	127 37.201	127 37.366

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)	1.36	3
Cancer magister (male)	5.74	11
Cancer magister (female)	0.65	2
Crustacean		
Pandalus borealis	0.21	32
Pandalus platyceros	2.33	72
Pandalus hypsinotus	0.34	18
Echinoderm		
Ctenodiscus crispatus	0.04	1
Rockfish		
Sebastes crameri	0.04	1

Appendix Table 6. (Cont'd)

Set: N 5 **Soak Time (h):** 24
Traps Sampled: 10
Nearest Chart Reference: Darby Channel South

	Set	Haul
Date	3/17/2005	3/18/2005
Time:	12:55	12:55
Depth:	68	71
Latitude:	51 31.712	51 31.561
Longitude:	127 38.114	127 38.356

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)	2.04	7
Cancer magister (male)	1.03	3
Munida quadrispina	0.27	11
Crustacean		
Pandalus hypsinotus	0.09	5
Pandalus borealis	trace	1
Eualus suckleyi	trace	1
Pandalus platyceros	2.27	77
Echinoderm		
Ctenodiscus crispatus	0.05	1

Set: N 6 **Soak Time (h):** 24
Traps Sampled: 10
Nearest Chart Reference: Pendleton Island

	Set	Haul
Date	3/17/2005	3/18/2005
Time:	13:10	13:30
Depth:	80	86
Latitude:	51 30.633	51 30.587
Longitude:	127 39.638	127 39.954

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)	9.05	27
Cancer magister (male)	2.50	5
Cancer magister (female)	0.26	1
Munida quadrispina	0.04	2
Crustacean		
Eualus suckleyi	trace	2
Pandalus hypsinotus	0.04	2
Pandalus platyceros	3.32	108
Echinoderm		
Pycnopodia helianthoides	1.60	1

Set: N 7 **Soak Time (h):** 22
Traps Sampled: 10
Nearest Chart Reference: Bickle Pass East

	Set	Haul
Date	3/18/2005	3/19/2005
Time:	9:45	7:15
Depth:	98	104
Latitude:	51 34.368	51 34.522
Longitude:	127 33.992	127 33.855

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)	0.93	4
Cancer magister (male)	0.92	2
Munida quadrispina	1.36	85
Crustacean		
Pandalus hypsinotus	trace	1
Pandalus platyceros	1.10	24
Echinoderm		
Stylasterias forreri	0.62	4

Set: N 8 **Soak Time (h):** 22
Traps Sampled: 10
Nearest Chart Reference: Edna Matthews Is North

	Set	Haul
Date	3/18/2005	3/19/2005
Time:	10:00	8:00
Depth:	125	131
Latitude:	51 36.564	51 36.747
Longitude:	127 33.204	127 33.229

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)	0.76	2
Chionoecetes bairdi (female)	0.15	1
Cancer magister (male)	2.00	4
Cancer magister (female)	1.13	4
Munida quadrispina	0.81	42
Crustacean		
Pandalus platyceros	0.26	12
Mollusc		
Enteroctopus dofleini	1.50	1
Roundfish		
Hemitripterus bolini	1.69	1
Other Inverts.		
Actiniaria	0.10	1

Appendix Table 6. (Cont'd)

Set: N 9 **Soak Time (h):** 17
Traps Sampled: 10
Nearest Chart Reference: Matilda Creek (Hardy Inlet)

	Set	Haul
Date	3/18/2005	3/19/2005
Time:	15:50	9:15
Depth:	147	158
Latitude:	51 42.104	51 42.139
Longitude:	127 31.409	127 31.717

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)	1.27	5
Chionoecetes bairdi (female)	0.14	1
Cancer magister (male)	0.33	1
Cancer magister (female)	1.06	4
Munida quadrispina	2.88	189
Crustacean		
Pandalus platyceros	1.87	43
Echinoderm		
Allocentrotus fragilis	trace	1

Set: N 10 **Soak Time (h):** 18
Traps Sampled: 10
Nearest Chart Reference: MacNair Creek (Hardy Inlet)

	Set	Haul
Date	3/18/2005	3/19/2005
Time:	16:05	9:45
Depth:	120	122
Latitude:	51 42.254	51 42.336
Longitude:	127 33.437	127 33.711

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)	1.74	7
Cancer magister (male)	0.94	3
Cancer magister (female)	1.32	5
Munida quadrispina	2.54	174
Crustacean		
Pandalus platyceros	1.70	30
Roundfish		
Malacocottus zonurus	trace	1

Set: N 11 **Soak Time (h):** 18
Traps Sampled: 10
Nearest Chart Reference: Opp Shore MacNair Creek

	Set	Haul
Date	3/18/2005	3/19/2005
Time:	16:15	10:30
Depth:	142	151
Latitude:	51 41.579	51 41.461
Longitude:	127 33.948	127 33.711

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)	1.41	3
Munida quadrispina	3.27	3
Crustacean		
Pandalus platyceros	1.51	32
Echinoderm		
Brisaster latifrons	trace	1

Set: N 12 **Soak Time (h):** 18
Traps Sampled: 10
Nearest Chart Reference: Back end Hardy Inlet

	Set	Haul
Date	3/18/2005	3/19/2005
Time:	16:35	11:00
Depth:	204	210
Latitude:	51 42.232	51 42.252
Longitude:	127 37.304	127 37.618

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)	0.15	1
Cancer magister (female)	1.70	4
Munida quadrispina	3.20	214
Crustacean		
Pandalus platyceros	0.10	2

Appendix Table 6. (Cont'd)

Set: N 13 **Soak Time (h):** 20
Traps Sampled: 10
Nearest Chart Reference: Shotbolt Bay (Upper Rivers Inlet)

	Set	Haul
Date	3/19/2005	3/20/2005
Time:	12:30	8:15
Depth:	142	152
Latitude:	51 39.372	51 39.314
Longitude:	127 21.394	127 21.119

Catch

Species	Weight (kg)	N
Crab		
Chorilia longipes	trace	1
Munida quadrispina	0.92	98
Crustacean		
Pandalus platyceros	4.97	95
Mollusc		
Gastropoda	trace	1
Echinoderm		
Allocentrotus fragilis	trace	1

Set: N 14 **Soak Time (h):** 20
Traps Sampled: 10
Nearest Chart Reference: McTavish Cr (Upper Rivers)

	Set	Haul
Date	3/19/2005	3/20/2005
Time:	12:50	8:45
Depth:	117	120
Latitude:	51 40.050	51 40.131
Longitude:	127 19.146	127 18.914

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)	1.06	5
Chionoecetes bairdi (female)	0.24	2
Munida quadrispina	0.27	28
Crustacean		
Pandalus platyceros	2.23	66
Mollusc		
Gastropoda	trace	20
Rockfish		
Sebastes maliger	0.50	1

Set: N 15 **Soak Time (h):** 20
Traps Sampled: 10
Nearest Chart Reference: Wannock River (Upper Rivers)

	Set	Haul
Date	3/19/2005	3/20/2005
Time:	13:00	9:10
Depth:	165	170
Latitude:	51 40.385	51 40.458
Longitude:	127 17.659	127 17.401

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)	5.83	17
Munida quadrispina	0.57	27
Crustacean		
Pandalus platyceros	1.28	38
Mollusc		
Gastropoda	trace	3
Echinoderm		
Pseudarchaster alascensis	trace	1

Set: N 16 **Soak Time (h):** 21
Traps Sampled: 10
Nearest Chart Reference: Wannock River (Upper Rivers)

	Set	Haul
Date	3/19/2005	3/20/2005
Time:	13:15	10:00
Depth:	117	119
Latitude:	51 40.309	51 40.545
Longitude:	127 16.571	127 16.426

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)	1.00	3
Cancer magister (female)	1.55	3
Munida quadrispina	1.36	64
Crustacean		
Pandalus platyceros	0.72	25
Mollusc		
Gastropoda	0.15	2

Appendix Table 6. (Cont'd)

Set: N 17 **Soak Time (h):** 21
Traps Sampled: 10
Nearest Chart Reference: Top end N shore (Upper Rivers)

	Set	Haul
Date	3/19/2005	3/20/2005
Time:	13:25	10:45
Depth:	108	124
Latitude:	51 41.044	51 41.080
Longitude:	127 17.270	127 17.598

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)	2.14	7
Chionoecetes bairdi (female)	0.16	1
Munida quadrispina	0.47	24
Crustacean		
Pandalus platyceros	1.96	68
Mollusc		
Gastropoda	0.10	15
Echinoderm		
Mediaster aequalis	0.02	1
Roundfish		
Malacocottus zonurus	trace	1

Set: N 18 **Soak Time (h):** 22
Traps Sampled: 10
Nearest Chart Reference: Top end N shore (Upper Rivers)

	Set	Haul
Date	3/19/2005	3/20/2005
Time:	13:45	11:15
Depth:	150	158
Latitude:	51 40.939	51 40.890
Longitude:	127 17.801	127 17.516

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)	3.29	10
Munida quadrispina	2.62	158
Crustacean		
Pandalus platyceros	1.00	29
Mollusc		
Gastropoda	trace	12
Echinoderm		
Ctenodiscus crispatus	trace	1

Set: N 19 **Soak Time (h):** 20
Traps Sampled: 10
Nearest Chart Reference: Darby Channel North

	Set	Haul
Date	3/20/2005	3/21/2005
Time:	12:45	8:20
Depth:	65	68
Latitude:	51 35.499	51 35.252
Longitude:	127 34.119	127 34.240

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)	1.90	4
Cancer magister (male)	18.61	33
Cancer magister (female)	8.36	22
Munida quadrispina	0.34	19
Crustacean		
Pandalus hypsinotus	0.48	16
Pandalus platyceros	0.35	10

Set: N 20 **Soak Time (h):** 20
Traps Sampled: 10
Nearest Chart Reference: Bickle Pass West

	Set	Haul
Date	3/20/2005	3/21/2005
Time:	12:50	9:10
Depth:	74	80
Latitude:	51 35.094	51 34.887
Longitude:	127 34.349	127 34.475

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)	14.84	29
Cancer magister (male)	11.83	28
Cancer magister (female)	7.54	23
Munida quadrispina	0.11	5
Crustacean		
Pandalus platyceros	0.90	24
Pandalus hypsinotus	trace	2
Roundfish		
Gadus macrocephalus	0.13	1

Appendix Table 6. (Cont'd)

Set: N 21 **Soak Time (h):** 21
Traps Sampled: 10
Nearest Chart Reference: Dawson's Landing

	Set	Haul
Date	3/20/2005	3/21/2005
Time:	13:10	10:10
Depth:	80	90
Latitude:	51 33.837	51 33.718
Longitude:	127 35.649	127 35.808

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)	17.59	30
Cancer magister (male)	8.87	16
Cancer magister (female)	1.44	4
Munida quadrispina	0.18	9
Crustacean		
Pandalus borealis	trace	1
Pandalus platyceros	1.73	53
Pandalus hypsinotus	trace	2

Set: N 22 **Soak Time (h):** 22
Traps Sampled: 10
Nearest Chart Reference: Darby Channel Mid

	Set	Haul
Date	3/20/2005	3/21/2005
Time:	13:15	11:00
Depth:	70	70
Latitude:	51 33.515	51 33.389
Longitude:	127 36.261	127 36.439

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)	3.62	7
Cancer magister (male)	3.32	8
Cancer magister (female)	1.88	5
Munida quadrispina	0.08	4
Crustacean		
Pandalus borealis	0.07	12
Pandalus platyceros	1.65	44
Pandalus hypsinotus	0.75	3

Set: N 23 **Soak Time (h):** 23
Traps Sampled: 10
Nearest Chart Reference: Darby Channel Mid

	Set	Haul
Date	3/20/2005	3/21/2005
Time:	13:20	12:00
Depth:	68	74
Latitude:	51 32.822	51 32.669
Longitude:	127 37.201	127 37.366

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)	1.53	4
Cancer magister (male)	4.77	11
Cancer magister (female)	1.17	4
Crustacean		
Pandalus jordani	trace	1
Pandalus borealis	0.10	17
Eualus suckleyi	trace	3
Pandalus platyceros	0.86	30
Pandalus hypsinotus	0.18	10
Roundfish		
Cryptacanthodes giganteus	3.10	2

Set: N 24 **Soak Time (h):** 23
Traps Sampled: 10
Nearest Chart Reference: Pendleton Island

	Set	Haul
Date	3/20/2005	3/21/2005
Time:	13:40	12:35
Depth:	87	90
Latitude:	51 30.587	51 30.633
Longitude:	127 39.954	127 39.638

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)	7.98	25
Cancer magister (male)	1.35	3
Cancer magister (female)	0.40	1
Munida quadrispina	trace	2
Crustacean		
Pandalus borealis	0.04	6
Pandalus jordani	trace	1
Pandalus platyceros	2.18	73
Pandalus hypsinotus	0.29	17
Echinoderm		
Ctenodiscus crispatus	0.04	2
Stylasterias forreri	0.29	2

Appendix Table 6. (Cont'd)

Set: N 25 **Soak Time (h):** 17
Traps Sampled: 9
Nearest Chart Reference: McTavish Creek (Upper Rivers)

	Set	Haul
Date	3/21/2005	3/22/2005
Time:	14:25	7:20
Depth:	100	127
Latitude:	51 40.050	51 40.131
Longitude:	127 19.146	127 18.914

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)	0.80	2
Munida quadrispina	1.04	98
Crustacean		
Pandalus platyceros	1.24	24
Mollusc		
Gastropoda	trace	6
Echinoderm		
Brisaster latifrons	trace	1
Ctenodiscus crispatus	trace	1
Selachii		
Hydrolagus colliei	0.38	1

Set: N 26 **Soak Time (h):** 17
Traps Sampled: 10
Nearest Chart Reference: McTavish Creek (Upper Rivers)

	Set	Haul
Date	3/21/2005	3/22/2005
Time:	14:30	7:45
Depth:	120	127
Latitude:	51 40.159	51 40.178
Longitude:	127 18.469	127 18.123

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)	3.44	11
Munida quadrispina	0.17	20
Crustacean		
Pandalus platyceros	3.13	87
Mollusc		
Gastropoda	0.05	11

Set: N 27 **Soak Time (h):** 18
Traps Sampled: 10
Nearest Chart Reference: Wannock River

	Set	Haul
Date	3/21/2005	3/22/2005
Time:	14:40	8:25
Depth:	160	165
Latitude:	51 40.385	51 40.458
Longitude:	127 17.659	127 17.401

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)	3.14	7
Chionoecetes bairdi (female)	0.26	2
Munida quadrispina	0.17	9
Crustacean		
Pandalus platyceros	1.56	45
Mollusc		
Gastropoda	0.05	14

Set: N 28 **Soak Time (h):** 18
Traps Sampled: 10
Nearest Chart Reference: Wannock River

	Set	Haul
Date	3/21/2005	3/22/2005
Time:	14:45	8:50
Depth:	150	160
Latitude:	51 40.705	51 40.723
Longitude:	127 17.44	127 17.06

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)	6.02	17
Cancer magister (female)	0.58	1
Munida quadrispina	0.26	1
Crustacean		
Pandalus platyceros	2.73	88
Mollusc		
Gastropoda	trace	6

Appendix Table 6. (Cont'd)

Set: N 29 **Soak Time (h):** 19
Traps Sampled: 10
Nearest Chart Reference: Top end N shore (Upper Rivers)

	Set	Haul
Date	3/21/2005	3/22/2005
Time:	14:55	9:30
Depth:	148	150
Latitude:	51 40.890	51 40.939
Longitude:	127 17.516	127 17.801

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)	1.79	6
Chionoecetes bairdi (female)	0.17	1
Cancer magister (female)	1.07	2
Munida quadrispina	1.30	87
Crustacean		
Pandalus platyceros	1.64	47
Mollusc		
Gastropoda	trace	3

Set: N 30 **Soak Time (h):** 19
Traps Sampled: 10
Nearest Chart Reference: Top end N shore (Upper Rivers)

	Set	Haul
Date	3/21/2005	3/22/2005
Time:	15:00	10:00
Depth:	117	120
Latitude:	51 41.080	51 41.044
Longitude:	127 17.598	127 17.270

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)	1.83	7
Cancer magister (female)	0.44	1
Munida quadrispina	0.60	1
Crustacean		
Pandalus hypsinotus	trace	1
Pandalus platyceros	2.73	99
Mollusc		
Gastropoda	trace	16

Set: N 31 **Soak Time (h):** 24
Traps Sampled: 10
Nearest Chart Reference: Draney Inlet Junction

	Set	Haul
Date	3/22/2005	3/23/2005
Time:	12:45	12:25
Depth:	117	122
Latitude:	51 26.562	51 26.540
Longitude:	127 27.806	127 27.530

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)	1.40	4
Chionoecetes bairdi (female)	0.11	1
Munida quadrispina	0.04	3
Crustacean		
Pandalus borealis	trace	2
Pandalus hypsinotus	0.11	5
Pandalus platyceros	1.26	37

Set: N 32 **Soak Time (h):** 22
Traps Sampled: 10
Nearest Chart Reference: Robert Arm (Draney Inlet)

	Set	Haul
Date	3/22/2005	3/23/2005
Time:	13:00	11:15
Depth:	122	122
Latitude:	51 25.038	51 24.877
Longitude:	127 28.319	127 28.525

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)	18.03	49
Chionoecetes bairdi (female)	0.87	6
Cancer magister (male)	1.24	2
Munida quadrispina	0.23	11
Crustacean		
Pandalus platyceros	0.82	29
Roundfish		
Malacocottus zonurus	0.08	1

Appendix Table 6. (Cont'd)

Set: N 33 **Soak Time (h):** 21
Traps Sampled: 10
Nearest Chart Reference: Draney Inlet Mid

	Set	Haul
Date	3/22/2005	3/23/2005
Time:	13:40	10:25
Depth:	142	148
Latitude:	51 26.249	51 26.230
Longitude:	127 22.712	127 22.390

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)	5.95	18
Chionoecetes bairdi (female)	0.18	1
Cancer magister (male)	0.54	1
Crustacean		
Pandalopsis dispar	trace	1
Pandalus borealis	trace	3
Pandalus platyceros	1.38	45
Flatfish		
Lyopsetta exilis	0.06	1

Set: N 34 **Soak Time (h):** 18
Traps Sampled: 8
Nearest Chart Reference: Allard Bay (Draney Inlet)

	Set	Haul
Date	3/22/2005	3/23/2005
Time:	13:50	7:30
Depth:	130	140
Latitude:	51 26.034	51 26.006
Longitude:	127 19.622	127 19.365

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)	9.96	28
Chionoecetes bairdi (female)	0.45	3
Cancer magister (female)	0.36	1
Crustacean		
Pandalus borealis	trace	1
Pandalus platyceros	0.3	8

Set: N 35 **Soak Time (h):** 18
Traps Sampled: 10
Nearest Chart Reference: Allard Bay (Draney Inlet)

	Set	Haul
Date	3/22/2005	3/23/2005
Time:	14:00	8:25
Depth:	116	120
Latitude:	51 26.208	51 26.236
Longitude:	127 19.345	127 19.602

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)	18.44	44
Chionoecetes bairdi (female)	2.57	16
Cancer magister (male)	1.32	4
Cancer magister (female)	0.23	1
Crustacean		
Pandalus borealis	trace	3
Pandalus platyceros	0.02	1

Set: N 36 **Soak Time (h):** 19
Traps Sampled: 10
Nearest Chart Reference: Allard Bay (Draney Inlet)

	Set	Haul
Date	3/22/2005	3/23/2005
Time:	14:05	9:30
Depth:	82	90
Latitude:	51 26.276	51 26.150
Longitude:	127 19.217	127 18.931

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)	12.47	32
Chionoecetes bairdi (female)	0.38	3
Cancer magister (male)	1.73	6
Cancer magister (female)	0.47	1
Crustacean		
Pandalus hypsinotus	0.15	9
Pandalus platyceros	0.85	25

Appendix Table 6. (Cont'd)

Set: N 37 **Soak Time (h):** 20
Traps Sampled: 10
Nearest Chart Reference: S of Draney Narrows (Lower Rivers)

	Set	Haul
Date	3/23/2005	3/24/2005
Time:	13:00	8:35
Depth:	117	120
Latitude:	51 28.234	51 28.132
Longitude:	127 34.666	127 34.962

Catch

Species	Weight (kg)	N
Crab		
Paguridae	0.40	12
Crustacean		
Pandalus platyceros	2.58	74
Pandalus hypsinotus	trace	1

Set: N 38 **Soak Time (h):** 20
Traps Sampled: 10
Nearest Chart Reference: Maud Rock (Lower Rivers Inlet)

	Set	Haul
Date	3/23/2005	3/24/2005
Time:	13:10	9:00
Depth:	200	207
Latitude:	51 27.723	51 27.508
Longitude:	127 37.507	127 37.73

Catch

Species	Weight (kg)	N
Crab		
Munida quadrispina	0.10	6
Crustacean		
Pandalus jordani	trace	3
Pandalus hypsinotus	trace	1
Pandalus platyceros	2.24	60
Roundfish		
Gadus macrocephalus	1.98	1
Other Inverts.		
Porifera	trace	

Set: N 39 **Soak Time (h):** 20
Traps Sampled: 10
Nearest Chart Reference: Bilton Is (Lower Rivers Inlet)

	Set	Haul
Date	3/23/2005	3/24/2005
Time:	13:30	9:30
Depth:	120	122
Latitude:	51 26.755	51 26.734
Longitude:	127 39.874	127 40.213

Catch

Species	Weight (kg)	N
Crustacean		
Pandalus jordani	trace	1
Pandalus platyceros	2.42	69
Other Inverts.		
Porifera	trace	

Set: N 40 **Soak Time (h):** 18
Traps Sampled: 10
Nearest Chart Reference: Bull Is East (Lower Rivers Inlet)

	Set	Haul
Date	3/23/2005	3/24/2005
Time:	13:45	7:55
Depth:	154	160
Latitude:	51 25.690	51 25.644
Longitude:	127 38.305	127 38.683

Catch

Species	Weight (kg)	N
Crustacean		
Pandalus hypsinotus	trace	1
Pandalus jordani	0.05	8
Pandalus platyceros	0.88	21

Appendix Table 6. (Cont'd)

Set: N 41 **Soak Time (h):** 18
Traps Sampled: 10
Nearest Chart Reference: Bull Is (Lower Rivers Inlet)

	Set	Haul
Date	3/23/2005	3/24/2005
Time:	13:50	7:30
Depth:	154	160
Latitude:	51 25.527	51 25.334
Longitude:	127 39.080	127 39.355

Catch

Species	Weight (kg)	N
Crab		
Chionoecetes bairdi (male)	0.33	1
Lopholithodes foraminatus (male)	0.37	1
Crustacean		
Pandalus jordani	0.04	9
Pandalus borealis	0.04	8
Pandalopsis dispar	0.12	17
Pandalus platyceros	0.54	16

Set: N 42 **Soak Time (h):** 17
Traps Sampled: 10
Nearest Chart Reference: Goose Bay (Lower Rivers Inlet)

	Set	Haul
Date	3/23/2005	3/24/2005
Time:	14:05	7:00
Depth:	76	76
Latitude:	51 24.042	51 23.857
Longitude:	127 39.075	127 39.503

Catch

Species	Weight (kg)	N
Crab		
Cancer magister (male)	11.76	20
Cancer magister (female)	1.62	6
Crustacean		
Pandalus jordani	0.07	13
Pandalus hypsinotus	0.08	6